

**Supplement table:** Identification of a 56 kDa Cu-binding protein, vimentin, as an adaptor protein linking VEGFR-1 and PKG-1. (A) Proteins pulled down by agarose-conjugated VEGFR-1 antibody. HCM were treated with 100  $\mu$ M PE for 48 h in serum-free media before the treatment with 5  $\mu$ M copper element for additional 24 h in the presence of PE. The supernatant was collected by Co-IP and analyzed using LC-MS/MS. (B) Proteins pulled down by agarose-conjugated PKG-1 antibody. The treatment protocol was the same as above. PE: phenylephrine; VEGFR-1: vascular endothelial growth factor receptor 1; PKG-1: cyclic guanosine monophosphate (cGMP)-dependent protein kinase-1; HCM: human cardiac myocytes; Co-IP: co-immunoprecipitation; LC-MS/MS: liquid chromatography-tandem mass spectrometry.

Tab S1A. Proteins pulled down by agarose-conjugated VEGFR-1 antibody.

Control	PE	Cu	PE+Cu
10 kDa heat shock protein, mitochondrial		10 kDa heat shock protein, mitochondrial	
60 kDa heat shock protein, mitochondrial	60 kDa heat shock protein, mitochondrial		60 kDa heat shock protein, mitochondrial
			ATP synthase subunit alpha, mitochondrial
14-3-3 protein beta/alpha	14-3-3 protein beta/alpha	14-3-3 protein beta/alpha	14-3-3 protein beta/alpha
14-3-3 protein gamma	14-3-3 protein gamma	14-3-3 protein gamma	14-3-3 protein gamma
14-3-3 protein zeta/delta	14-3-3 protein zeta/delta	14-3-3 protein zeta/delta	14-3-3 protein zeta/delta
14-3-3 protein eta			14-3-3 protein eta
14-3-3 protein theta	14-3-3 protein theta	14-3-3 protein theta	14-3-3 protein theta
14-3-3 protein epsilon	14-3-3 protein epsilon	14-3-3 protein epsilon	14-3-3 protein epsilon
			14-3-3 protein sigma
40S ribosomal protein SA	40S ribosomal protein SA	40S ribosomal protein SA	40S ribosomal protein SA
40S ribosomal protein S3	40S ribosomal protein S3	40S ribosomal protein S3	40S ribosomal protein S3
			40S ribosomal protein S6
40S ribosomal protein S12			
40S ribosomal protein S18	40S ribosomal protein S18	40S ribosomal protein S18	40S ribosomal protein S18
60S acidic ribosomal protein P2	60S acidic ribosomal protein P2		60S acidic ribosomal protein P2
	60S ribosomal protein L7		
60S ribosomal protein L11			
			60S ribosomal protein L14

		60S ribosomal protein L18	
78 kDa glucose-regulated protein	78 kDa glucose-regulated protein	78 kDa glucose-regulated protein	78 kDa glucose-regulated protein
Acyl-CoA-binding protein	Acyl-CoA-binding protein		Acyl-CoA-binding protein
	ADP-ribosylation factor 1		ADP-ribosylation factor 1
	ADP-ribosylation factor 3		ADP-ribosylation factor 3
	ADP-ribosylation factor 4		ADP-ribosylation factor 4
	ADP-ribosylation factor 5		ADP-ribosylation factor 5
			ATP-dependent RNA helicase DDX39
Actin, alpha cardiac muscle 1	Actin, alpha cardiac muscle 1	Actin, alpha cardiac muscle 1	Actin, alpha cardiac muscle 1
Actin, alpha skeletal muscle	Actin, alpha skeletal muscle	Actin, alpha skeletal muscle	Actin, alpha skeletal muscle
Actin, aortic smooth muscle	Actin, aortic smooth muscle	Actin, aortic smooth muscle	Actin, aortic smooth muscle
Actin, gamma-enteric smooth muscle	Actin, gamma-enteric smooth muscle	Actin, gamma-enteric smooth muscle	Actin, gamma-enteric smooth muscle
Actin, cytoplasmic 1	Actin, cytoplasmic 1	Actin, cytoplasmic 1	Actin, cytoplasmic 1
Actin, cytoplasmic 2	Actin, cytoplasmic 2	Actin, cytoplasmic 2	Actin, cytoplasmic 2
Adenylyl cyclase-associated protein 1			Adenylyl cyclase-associated protein 1
Alpha-actinin-1	Alpha-actinin-1		Alpha-actinin-1
Alpha-actinin-4	Alpha-actinin-4		Alpha-actinin-4
Annexin A1	Annexin A1	Annexin A1	Annexin A1
Annexin A2	Annexin A2	Annexin A2	Annexin A2
Annexin A5	Annexin A5	Annexin A5	Annexin A5
		Astrocytic phosphoprotein PEA-15	

Brain acid soluble protein 1			
Calmodulin	Calmodulin	Calmodulin	Calmodulin
Calponin-2	Calponin-2		Calponin-2
			Calreticulin
Calumenin	Calumenin		Calumenin
Cathepsin B	Cathepsin B	Cathepsin B	Cathepsin B
			Chloride intracellular channel protein 1
Clathrin heavy chain 1	Clathrin heavy chain 1		Clathrin heavy chain 1
Coactosin-like protein			
Cofilin-1	Cofilin-1	Cofilin-1	Cofilin-1
Cofilin-2	Cofilin-2	Cofilin-2	Cofilin-2
Complement component 1 Q subcomponent-binding prot	Complement component 1 Q subcomponent-binding prot	Complement component 1 Q subcomponent-binding prot	Complement component 1 Q subcomponent-binding prot
Cu-Zn Superoxide dismutase			Cu-Zn Superoxide dismutase
Cytochrome c	Cytochrome c	Cytochrome c	Cytochrome c
Cystatin-B	Cystatin-B	Cystatin-B	Cystatin-B
	DNA-binding protein A		
	Desmoglein-1		
Alpha-enolase	Alpha-enolase	Alpha-enolase	Alpha-enolase
Beta-enolase	Beta-enolase	Beta-enolase	Beta-enolase
		ELAV-like protein 1	ELAV-like protein 1
Elongation factor 1-alpha 1	Elongation factor 1-alpha 1	Elongation factor 1-alpha 1	Elongation factor 1-alpha 1

Elongation factor 1-alpha 2	Elongation factor 1-alpha 2	Elongation factor 1-alpha 2	Elongation factor 1-alpha 2
			Elongation factor 1-gamma
Elongation factor 2	Elongation factor 2	Elongation factor 2	Elongation factor 2
Endoplasmin		Endoplasmin	Endoplasmin
			Epididymal secretory protein E1
Eukaryotic initiation factor 4A-I	Eukaryotic initiation factor 4A-I	Eukaryotic initiation factor 4A-I	Eukaryotic initiation factor 4A-I
Eukaryotic initiation factor 4A-II	Eukaryotic initiation factor 4A-II	Eukaryotic initiation factor 4A-II	Eukaryotic initiation factor 4A-II
Eukaryotic translation initiation factor 5A-1	Eukaryotic translation initiation factor 5A-1	Eukaryotic translation initiation factor 5A-1	Eukaryotic translation initiation factor 5A-1
Eukaryotic translation initiation factor 5A-2	Eukaryotic translation initiation factor 5A-2	Eukaryotic translation initiation factor 5A-2	Eukaryotic translation initiation factor 5A-2
	Ezrin		Ezrin
Far upstream element-binding protein 1		Far upstream element-binding protein 1	Far upstream element-binding protein 1
Filamin-A	Filamin-A	Filamin-A	Filamin-A
Filamin-B	Filamin-B		
Filamin-C	Filamin-C		
Fructose-bisphosphate aldolase A		Fructose-bisphosphate aldolase A	Fructose-bisphosphate aldolase A
GTP-binding nuclear protein Ran	GTP-binding nuclear protein Ran		GTP-binding nuclear protein Ran
Galectin-1	Galectin-1	Galectin-1	
Gamma-glutamyl hydrolase		Gamma-glutamylcyclotransferase	
Glucosidase 2 subunit beta			Glucosidase 2 subunit beta
			Glutathione S-transferase P
Glyceraldehyde-3-phosphate	Glyceraldehyde-3-phosphate	Glyceraldehyde-3-phosphate	Glyceraldehyde-3-phosphate

dehydrogenase	dehydrogenase	dehydrogenase	dehydrogenase
Guanine nucleotide-binding protein subunit beta-2-l		Guanine nucleotide-binding protein subunit beta-2	Guanine nucleotide-binding protein subunit beta-2
Heat shock protein beta-1	Heat shock protein beta-1	Heat shock protein beta-1	Heat shock protein beta-1
Heat shock 70 kDa protein 1A/1B	Heat shock 70 kDa protein 1A/1B	Heat shock 70 kDa protein 1A/1B	Heat shock 70 kDa protein 1A/1B
Heat shock 70 kDa protein 6	Heat shock 70 kDa protein 6	Heat shock 70 kDa protein 6	Heat shock 70 kDa protein 6
Heat shock cognate 71 kDa protein	Heat shock cognate 71 kDa protein	Heat shock cognate 71 kDa protein	Heat shock cognate 71 kDa protein
Heat shock protein HSP 90-alpha	Heat shock protein HSP 90-alpha	Heat shock protein HSP 90-alpha	Heat shock protein HSP 90-alpha
Heat shock protein HSP 90-beta	Heat shock protein HSP 90-beta	Heat shock protein HSP 90-beta	Heat shock protein HSP 90-beta
Hepatoma-derived growth factor	Hepatoma-derived growth factor		Hepatoma-derived growth factor
Heterogeneous nuclear ribonucleoprotein A/B	Heterogeneous nuclear ribonucleoprotein A/B	Heterogeneous nuclear ribonucleoprotein A/B	Heterogeneous nuclear ribonucleoprotein A/B
Heterogeneous nuclear ribonucleoprotein A1	Heterogeneous nuclear ribonucleoprotein A1	Heterogeneous nuclear ribonucleoprotein A1	Heterogeneous nuclear ribonucleoprotein A1
Heterogeneous nuclear ribonucleoproteins A2/B1	Heterogeneous nuclear ribonucleoproteins A2/B1	Heterogeneous nuclear ribonucleoproteins A2/B1	Heterogeneous nuclear ribonucleoproteins A2/B1
Heterogeneous nuclear ribonucleoproteins C1/C2	Heterogeneous nuclear ribonucleoproteins C1/C2	Heterogeneous nuclear ribonucleoproteins C1/C2	Heterogeneous nuclear ribonucleoproteins C1/C2
Heterogeneous nuclear ribonucleoprotein D0	Heterogeneous nuclear ribonucleoprotein D0	Heterogeneous nuclear ribonucleoprotein D0	Heterogeneous nuclear ribonucleoprotein D0
Heterogeneous nuclear ribonucleoprotein F	Heterogeneous nuclear ribonucleoprotein F	Heterogeneous nuclear ribonucleoprotein F	Heterogeneous nuclear ribonucleoprotein F
Heterogeneous nuclear ribonucleoprotein G	Heterogeneous nuclear ribonucleoprotein G	Heterogeneous nuclear ribonucleoprotein G	Heterogeneous nuclear ribonucleoprotein G
Heterogeneous nuclear ribonucleoprotein H	Heterogeneous nuclear ribonucleoprotein H	Heterogeneous nuclear ribonucleoprotein H	Heterogeneous nuclear ribonucleoprotein H
	Heterogeneous nuclear ribonucleoprotein H2	Heterogeneous nuclear ribonucleoprotein H2	Heterogeneous nuclear ribonucleoprotein H2

Heterogeneous nuclear ribonucleoprotein H3		Heterogeneous nuclear ribonucleoprotein H3	Heterogeneous nuclear ribonucleoprotein H3
Heterogeneous nuclear ribonucleoprotein K	Heterogeneous nuclear ribonucleoprotein K	Heterogeneous nuclear ribonucleoprotein K	Heterogeneous nuclear ribonucleoprotein K
High mobility group protein B1	High mobility group protein B1	High mobility group protein B1	High mobility group protein B1
Histone H2A type 1-B/E			
Histone H2A type 1-C			
Histone H2A type 1-D			
Histone H2A type 1-H			
Histone H2A type 1-J			
Histone H4	Histone H4		
Integrin beta-1			
	Importin subunit beta-1		Importin subunit beta-1
L-lactate dehydrogenase A chain	L-lactate dehydrogenase A chain	L-lactate dehydrogenase A chain	L-lactate dehydrogenase A chain
L-lactate dehydrogenase B chain	L-lactate dehydrogenase B chain	L-lactate dehydrogenase B chain	L-lactate dehydrogenase B chain
Lamin-A/C	Lamin-A/C	Lamin-A/C	Lamin-A/C
Lamina-associated polypeptide 2, isoform alpha		Lamina-associated polypeptide 2, isoform alpha	Lamina-associated polypeptide 2, isoform alpha
Lamina-associated polypeptide 2, isoforms beta/gam		Lamina-associated polypeptide 2, isoforms beta/gam	
Lysosome-associated membrane glycoprotein 2	Lysosome-associated membrane glycoprotein 2		Lysosome-associated membrane glycoprotein 2
	Microtubule-associated protein 1B	Microtubule-associated protein 1B	
Microtubule-associated protein 4		Microtubule-associated protein 4	Microtubule-associated protein 4
Moesin	Moesin	Moesin	Moesin

Myosin light polypeptide 6	Myosin light polypeptide 6	Myosin light polypeptide 6	Myosin light polypeptide 6
Myosin light chain 6B	Myosin light chain 6B	Myosin light chain 6B	Myosin light chain 6B
Myosin regulatory light polypeptide 9			Myosin regulatory light polypeptide 9
Myosin regulatory light chain 12A	Myosin regulatory light chain 12A	Myosin regulatory light chain 12A	Myosin regulatory light chain 12A
Myosin regulatory light chain 12B	Myosin regulatory light chain 12B	Myosin regulatory light chain 12B	Myosin regulatory light chain 12B
Myristoylated alanine-rich C-kinase substrate	Myristoylated alanine-rich C-kinase substrate	Myristoylated alanine-rich C-kinase substrate	Myristoylated alanine-rich C-kinase substrate
	N-acetylglucosamine-6-sulfatase		N-acetylglucosamine-6-sulfatase
Nascent polypeptide-associated complex subunit alph	Nascent polypeptide-associated complex subunit alph	Nascent polypeptide-associated complex subunit alph	Nascent polypeptide-associated complex subunit alph
Nestin			
	Nuclease-sensitive element-binding protein 1		
Nucleolar RNA helicase 2			
Nucleolin	Nucleolin	Nucleolin	Nucleolin
Nucleophosmin	Nucleophosmin	Nucleophosmin	Nucleophosmin
Nucleoside diphosphate kinase A	Nucleoside diphosphate kinase A	Nucleoside diphosphate kinase A	Nucleoside diphosphate kinase A
Nucleoside diphosphate kinase B	Nucleoside diphosphate kinase B	Nucleoside diphosphate kinase B	Nucleoside diphosphate kinase B
Neuroblast differentiation-associated protein AHNAK	Neuroblast differentiation-associated protein AHNAK	Neuroblast differentiation-associated protein AHNAK	Neuroblast differentiation-associated protein AHNAK
POTE ankyrin domain family member E	POTE ankyrin domain family member E	POTE ankyrin domain family member E	POTE ankyrin domain family member E
Peptidyl-prolyl cis-trans isomerase A	Peptidyl-prolyl cis-trans isomerase A	Peptidyl-prolyl cis-trans isomerase A	Peptidyl-prolyl cis-trans isomerase A
Peptidyl-prolyl cis-trans isomerase B	Peptidyl-prolyl cis-trans isomerase B	Peptidyl-prolyl cis-trans isomerase B	Peptidyl-prolyl cis-trans isomerase B
Peroxiredoxin-1	Peroxiredoxin-1	Peroxiredoxin-1	Peroxiredoxin-1



Peroxiredoxin-2	Peroxiredoxin-2	Peroxiredoxin-2	Peroxiredoxin-2
Peroxiredoxin-6	Peroxiredoxin-6	Peroxiredoxin-6	Peroxiredoxin-6
Phosphatidylethanolamine-binding protein 1	Phosphatidylethanolamine-binding protein 1	Phosphatidylethanolamine-binding protein 1	
			Phosphoglycerate mutase 1
Plasminogen activator inhibitor 1 RNA-binding prot			Plasminogen activator inhibitor 1 RNA-binding prot
Poly(rC)-binding protein 1	Poly(rC)-binding protein 1	Poly(rC)-binding protein 1	Poly(rC)-binding protein 1
Poly(rC)-binding protein 2	Poly(rC)-binding protein 2		Poly(rC)-binding protein 2
Poly(rC)-binding protein 3	Poly(rC)-binding protein 3		Poly(rC)-binding protein 3
Polyadenylate-binding protein 1	Polyadenylate-binding protein 1	Polyadenylate-binding protein 1	Polyadenylate-binding protein 1
Polyadenylate-binding protein 3	Polyadenylate-binding protein 3	Polyadenylate-binding protein 3	Polyadenylate-binding protein 3
Proactivator polypeptide	Proactivator polypeptide	Proactivator polypeptide	Proactivator polypeptide
Profilin-1	Profilin-1	Profilin-1	Profilin-1
Protein CDV3 homolog		Protein CDV3 homolog	
Protein SET		Protein SET	Protein SET
Protein S100-A11			Protein S100-A11
Protein disulfide-isomerase	Protein disulfide-isomerase	Protein disulfide-isomerase	Protein disulfide-isomerase
Protein disulfide-isomerase A3	Protein disulfide-isomerase A3	Protein disulfide-isomerase A3	Protein disulfide-isomerase A3
Protein disulfide-isomerase A6	Protein disulfide-isomerase A6	Protein disulfide-isomerase A6	Protein disulfide-isomerase A6
Pyruvate kinase isozymes M1/M2	Pyruvate kinase isozymes M1/M2	Pyruvate kinase isozymes M1/M2	Pyruvate kinase isozymes M1/M2
	Radixin		Radixin
			Ras-related protein Rab-1B

			Ras-related protein Rab-10
			Ras-related protein Rab-15
			Rab GDP dissociation inhibitor beta
RNA-binding protein EWS	RNA-binding protein EWS	RNA-binding protein EWS	RNA-binding protein EWS
RNA-binding protein FUS	RNA-binding protein FUS	RNA-binding protein FUS	RNA-binding protein FUS
RNA-binding motif protein, X-linked-like-2	RNA-binding motif protein, X-linked-like-2		RNA-binding motif protein, X-linked-like-2
Reticulocalbin-1		Reticulocalbin-1	
Reticulon-4		Reticulon-4	
SH3 domain-binding glutamic acid-rich-like protein	SH3 domain-binding glutamic acid-rich-like protein		
Serpin H1	Serpin H1	Serpin H1	Serpin H1
	Serum albumin		
Splicing factor 3B subunit 2	Splicing factor, arginine/serine-rich 3		Splicing factor, arginine/serine-rich 3
Splicing factor, arginine/serine-rich 3			
			Spliceosome RNA helicase BAT1
Stathmin			
Stress-induced-phosphoprotein 1	Stress-induced-phosphoprotein 1		Stress-induced-phosphoprotein 1
T-complex protein 1 subunit gamma	T-complex protein 1 subunit gamma		T-complex protein 1 subunit beta
TATA-binding protein-associated factor 2N	TATA-binding protein-associated factor 2N	TATA-binding protein-associated factor 2N	TATA-binding protein-associated factor 2N
Thioredoxin			
Thioredoxin reductase 1, cytoplasmic	Thioredoxin reductase 1, cytoplasmic	Thioredoxin reductase 1, cytoplasmic	Thioredoxin reductase 1, cytoplasmic

	Thioredoxin domain-containing protein 5		
	Thioredoxin domain-containing protein 17	Thioredoxin domain-containing protein 17	Thioredoxin domain-containing protein 17
Transgelin	Transgelin	Transgelin	Transgelin
Transgelin-2	Transgelin-2	Transgelin-2	Transgelin-2
Transketolase	Transketolase	Transketolase	Transketolase
Triosephosphate isomerase	Triosephosphate isomerase	Triosephosphate isomerase	Triosephosphate isomerase
	Transitional endoplasmic reticulum ATPase		Transitional endoplasmic reticulum ATPase
Tropomyosin alpha-1 chain			
Tropomyosin alpha-3 chain			Tropomyosin alpha-3 chain
Tropomyosin alpha-4 chain		Tropomyosin alpha-4 chain	Tropomyosin alpha-4 chain
Tropomyosin beta chain			Tropomyosin beta chain
Tubulin alpha-1A chain			
Tubulin alpha-1B chain	Tubulin alpha-1A chain	Tubulin alpha-1A chain	Tubulin alpha-1A chain
Tubulin alpha-1C chain	Tubulin alpha-1B chain	Tubulin alpha-1B chain	Tubulin alpha-1B chain
	Tubulin alpha-1C chain	Tubulin alpha-1C chain	Tubulin alpha-1C chain
Tubulin alpha-3C/D chain	Tubulin alpha-3C/D chain	Tubulin alpha-3C/D chain	Tubulin alpha-3C/D chain
Tubulin alpha-3E chain	Tubulin alpha-3E chain	Tubulin alpha-3E chain	Tubulin alpha-3E chain
Tubulin alpha-4A chain	Tubulin alpha-4A chain	Tubulin alpha-4A chain	Tubulin alpha-4A chain
	Tubulin alpha-8 chain		Tubulin alpha-8 chain
Tubulin beta chain	Tubulin beta chain	Tubulin beta chain	Tubulin beta chain
	Tubulin beta-1 chain		Tubulin beta-1 chain

Tubulin beta-2A chain	Tubulin beta-2A chain	Tubulin beta-2A chain	Tubulin beta-2A chain
Tubulin beta-2B chain	Tubulin beta-2B chain	Tubulin beta-2B chain	Tubulin beta-2B chain
Tubulin beta-2C chain	Tubulin beta-2C chain	Tubulin beta-2C chain	Tubulin beta-2C chain
Tubulin beta-3 chain	Tubulin beta-3 chain	Tubulin beta-3 chain	Tubulin beta-3 chain
Tubulin beta-4 chain	Tubulin beta-4 chain	Tubulin beta-4 chain	Tubulin beta-4 chain
Tubulin beta-6 chain			Tubulin beta-6 chain
Tubulin-specific chaperone A	Tubulin-specific chaperone A	Tubulin-specific chaperone A	Tubulin-specific chaperone A
Ubiquitin	Ubiquitin	Ubiquitin	Ubiquitin
Ubiquitin carboxyl-terminal hydrolase isozyme L1	Ubiquitin carboxyl-terminal hydrolase isozyme L1	Ubiquitin carboxyl-terminal hydrolase isozyme L1	Ubiquitin carboxyl-terminal hydrolase isozyme L1
Ubiquitin-conjugating enzyme E2 variant 1	Ubiquitin-conjugating enzyme E2 variant 1		Ubiquitin-conjugating enzyme E2 variant 1
			Ubiquitin-conjugating enzyme E2 variant 2
vimentin	vimentin	vimentin	vimentin
Zyxin	Zyxin		Zyxin

**Tab S1B.** Proteins pulled down by agarose-conjugated PKG-1 antibody.

Control	PE	Cu	PE+Cu
60 kDa heat shock protein, mitochondrial	60 kDa heat shock protein, mitochondrial	60 kDa heat shock protein, mitochondrial	60 kDa heat shock protein, mitochondrial
ATP synthase subunit alpha, mitochondrial		ATP synthase subunit alpha, mitochondrial	ATP synthase subunit alpha, mitochondrial
	ATP synthase subunit beta, mitochondrial	ATP synthase subunit beta, mitochondrial	ATP synthase subunit beta, mitochondrial
			ATP synthase subunit O, mitochondrial
Malate dehydrogenase, mitochondrial	Malate dehydrogenase, mitochondrial	Malate dehydrogenase, mitochondrial	Malate dehydrogenase, mitochondrial
			Serine hydroxymethyltransferase, mitochondrial
14-3-3 protein beta/alpha	14-3-3 protein beta/alpha	14-3-3 protein beta/alpha	14-3-3 protein beta/alpha
14-3-3 protein gamma	14-3-3 protein gamma	14-3-3 protein gamma	14-3-3 protein gamma
14-3-3 protein epsilon	14-3-3 protein epsilon	14-3-3 protein epsilon	14-3-3 protein epsilon
	14-3-3 protein eta	14-3-3 protein eta	14-3-3 protein eta
14-3-3 protein zeta/delta	14-3-3 protein zeta/delta	14-3-3 protein zeta/delta	14-3-3 protein zeta/delta
14-3-3 protein theta	14-3-3 protein theta	14-3-3 protein theta	14-3-3 protein theta
			26S proteasome non-ATPase regulatory subunit
	40S ribosomal protein SA	40S ribosomal protein SA	40S ribosomal protein SA
	40S ribosomal protein S2	40S ribosomal protein S2	40S ribosomal protein S2
40S ribosomal protein S3	40S ribosomal protein S3	40S ribosomal protein S3	40S ribosomal protein S3
		40S ribosomal protein S5	40S ribosomal protein S5
		40S ribosomal protein S6	40S ribosomal protein S6
40S ribosomal protein S12	40S ribosomal protein S12	40S ribosomal protein S12	40S ribosomal protein S12
40S ribosomal protein S18	40S ribosomal protein S18	40S ribosomal protein S18	40S ribosomal protein S18
			40S ribosomal protein S19
40S ribosomal protein S20	40S ribosomal protein S20		

		40S ribosomal protein S24	
			40S ribosomal protein S26
40S ribosomal protein S28	40S ribosomal protein S28	40S ribosomal protein S28	40S ribosomal protein S28
	60S ribosomal protein L4	60S ribosomal protein L4	60S ribosomal protein L4
		60S ribosomal protein L6	
	60S ribosomal protein L7		60S ribosomal protein L7
			60S ribosomal protein L11
			60S ribosomal protein L12
60S ribosomal protein L17			
			60S ribosomal protein L23
60S ribosomal protein L23a		60S ribosomal protein L23a	
60S ribosomal protein L24			60S ribosomal protein L24
60S ribosomal protein L27a	60S ribosomal protein L27a		
	60S acidic ribosomal protein P0-like	60S acidic ribosomal protein P0-like	
	60S acidic ribosomal protein P0	60S acidic ribosomal protein P0	60S acidic ribosomal protein P0
			60S acidic ribosomal protein P1
	60S acidic ribosomal protein P2	60S acidic ribosomal protein P2	60S acidic ribosomal protein P2
78 kDa glucose-regulated protein	78 kDa glucose-regulated protein	78 kDa glucose-regulated protein	78 kDa glucose-regulated protein
Protein S100-A6			
Protein S100-A7			
Protein S100-A7A			
Protein S100-A8			
Protein S100-A9			
Protein S100-A11	Protein S100-A11	Protein S100-A11	Protein S100-A11
	SH3 domain-binding glutamic acid-rich-like protein		SH3 domain-binding glutamic acid-rich-like protein
UPF0568 protein C14orf166	UPF0568 protein C14orf166	UPF0568 protein C14orf166	UPF0568 protein C14orf166

	UPF0027 protein C22orf28		UPF0027 protein C22orf28
Alpha-actinin-1	Alpha-actinin-1	Alpha-actinin-1	Alpha-actinin-1
			Alpha-actinin-2
Alpha-actinin-4	Alpha-actinin-4	Alpha-actinin-4	Alpha-actinin-4
Adenylyl cyclase-associated protein 1	Adenylyl cyclase-associated protein 1	Adenylyl cyclase-associated protein 1	Adenylyl cyclase-associated protein 1
Annexin A1	Annexin A1	Annexin A1	Annexin A1
Annexin A2	Annexin A2	Annexin A2	Annexin A2
Putative annexin A2-like protein	Putative annexin A2-like protein	Putative annexin A2-like protein	Putative annexin A2-like protein
Annexin A5	Annexin A5	Annexin A5	Annexin A5
	Annexin A6	Annexin A6	Annexin A6
Actin, cytoplasmic 1	Actin, cytoplasmic 1	Actin, cytoplasmic 1	Actin, cytoplasmic 1
Actin, cytoplasmic 2	Actin, cytoplasmic 2	Actin, cytoplasmic 2	Actin, cytoplasmic 2
	Actin-related protein 3	Actin-related protein 3	Actin-related protein 3
Actin, aortic smooth muscle	Actin, aortic smooth muscle	Actin, aortic smooth muscle	Actin, aortic smooth muscle
Actin, alpha cardiac muscle 1	Actin, alpha cardiac muscle 1	Actin, alpha cardiac muscle 1	Actin, alpha cardiac muscle 1
Actin, gamma-enteric smooth muscle	Actin, gamma-enteric smooth muscle	Actin, gamma-enteric smooth muscle	Actin, gamma-enteric smooth muscle
Actin, alpha skeletal muscle	Actin, alpha skeletal muscle	Actin, alpha skeletal muscle	Actin, alpha skeletal muscle
ADP-ribosylation factor 1	ADP-ribosylation factor 1	ADP-ribosylation factor 1	ADP-ribosylation factor 1
ADP-ribosylation factor 3	ADP-ribosylation factor 3	ADP-ribosylation factor 3	ADP-ribosylation factor 3
ADP-ribosylation factor 4	ADP-ribosylation factor 4	ADP-ribosylation factor 4	ADP-ribosylation factor 4
ADP-ribosylation factor 5	ADP-ribosylation factor 5	ADP-ribosylation factor 5	ADP-ribosylation factor 5
			ADP/ATP translocase 1
		ADP/ATP translocase 2	ADP/ATP translocase 2
ADP/ATP translocase 3		ADP/ATP translocase 3	ADP/ATP translocase 3
Apolipoprotein D			
ATP-dependent RNA helicase DDX3X			

Beta-actin-like protein 2	Beta-actin-like protein 2	Beta-actin-like protein 2	Beta-actin-like protein 2
Beta-actin-like protein 3	Beta-actin-like protein 3	Beta-actin-like protein 3	Beta-actin-like protein 3
Brain acid soluble protein 1	Brain acid soluble protein 1	Brain acid soluble protein 1	Brain acid soluble protein 1
Calmodulin	Calmodulin	Calmodulin	Calmodulin
	Calpain small subunit 1	Calpain small subunit 1	Calpain small subunit 1
Calponin-2	Calponin-2	Calponin-2	Calponin-2
Calponin-3	Calponin-3		Calponin-3
			Calreticulin
	Calumenin		Calumenin
	Cathepsin B		Cathepsin B
		Cathepsin D	Cathepsin D
Chloride intracellular channel protein 1	Chloride intracellular channel protein 1	Chloride intracellular channel protein 1	Chloride intracellular channel protein 1
		Chloride intracellular channel protein 4	Chloride intracellular channel protein 4
	Clathrin heavy chain 1	Clathrin heavy chain 1	Clathrin heavy chain 1
		Coatomer subunit beta	
Cofilin-1	Cofilin-1	Cofilin-1	Cofilin-1
Cofilin-2	Cofilin-2		
Complement C3			
Complement C4-A			
Complement C4-B			
Cullin-associated NEDD8-dissociated protein 1		Cullin-associated NEDD8-dissociated protein 1	Cullin-associated NEDD8-dissociated protein 1
	Cytochrome c		
Elongation factor 1-alpha 1	Elongation factor 1-alpha 1	Elongation factor 1-alpha 1	Elongation factor 1-alpha 1
Putative elongation factor 1-alpha-like 3	Putative elongation factor 1-alpha-like 3	Putative elongation factor 1-alpha-like 3	Putative elongation factor 1-alpha-like 3
	Elongation factor 1-beta	Elongation factor 1-beta	Elongation factor 1-beta
Elongation factor 2	Elongation factor 2	Elongation factor 2	Elongation factor 2



Elongation factor 1-alpha 2	Elongation factor 1-alpha 2	Elongation factor 1-alpha 2	Elongation factor 1-alpha 2
Elongation factor 1-delta	Elongation factor 1-delta	Elongation factor 1-delta	Elongation factor 1-delta
	Elongation factor 1-gamma	Elongation factor 1-gamma	Elongation factor 1-gamma
Endoplasmin	Endoplasmin	Endoplasmin	Endoplasmin
Alpha-enolase	Alpha-enolase	Alpha-enolase	Alpha-enolase
Beta-enolase	Beta-enolase	Beta-enolase	Beta-enolase
Gamma-enolase	Gamma-enolase	Gamma-enolase	Gamma-enolase
Eukaryotic initiation factor 4A-I	Eukaryotic initiation factor 4A-I	Eukaryotic initiation factor 4A-I	Eukaryotic initiation factor 4A-I
Eukaryotic initiation factor 4A-II	Eukaryotic initiation factor 4A-II	Eukaryotic initiation factor 4A-II	Eukaryotic initiation factor 4A-II
Eukaryotic translation initiation factor 5A-1	Eukaryotic translation initiation factor 5A-1	Eukaryotic translation initiation factor 5A-1	Eukaryotic translation initiation factor 5A-1
Eukaryotic translation initiation factor 5A-1-like	Eukaryotic translation initiation factor 5A-1-like	Eukaryotic translation initiation factor 5A-1-like	Eukaryotic translation initiation factor 5A-1-like
Eukaryotic translation initiation factor 5A-2	Eukaryotic translation initiation factor 5A-2	Eukaryotic translation initiation factor 5A-2	Eukaryotic translation initiation factor 5A-2
Exportin-2		Exportin-2	
			Ezrin
		F-actin-capping protein subunit alpha-1	F-actin-capping protein subunit alpha-1
		Filamin-A	Filamin-A
			Filamin-B
			Filamin-C
Fructose-bisphosphate aldolase A	Fructose-bisphosphate aldolase A	Fructose-bisphosphate aldolase A	Fructose-bisphosphate aldolase A
Galectin-1	Galectin-1	Galectin-1	Galectin-1
Glucose-6-phosphate isomerase	Glucose-6-phosphate isomerase	Glucose-6-phosphate isomerase	Glucose-6-phosphate isomerase
	Glutathione S-transferase omega-1		
Glutathione S-transferase P	Glutathione S-transferase P	Glutathione S-transferase P	Glutathione S-transferase P
Glyceraldehyde-3-phosphate dehydrogenase	Glyceraldehyde-3-phosphate dehydrogenase	Glyceraldehyde-3-phosphate dehydrogenase	Glyceraldehyde-3-phosphate dehydrogenase

	Guanine nucleotide-binding protein subunit beta-2-l		
GTP-binding nuclear protein Ran	GTP-binding nuclear protein Ran	GTP-binding nuclear protein Ran	GTP-binding nuclear protein Ran
Heat shock protein HSP 90-alpha	Heat shock protein HSP 90-alpha	Heat shock protein HSP 90-alpha	Heat shock protein HSP 90-alpha
Heat shock protein HSP 90-beta	Heat shock protein HSP 90-beta	Heat shock protein HSP 90-beta	Heat shock protein HSP 90-beta
	Heat shock protein beta-1	Heat shock protein beta-1	
Heat shock-related 70 kDa protein 2	Heat shock-related 70 kDa protein 2	Heat shock-related 70 kDa protein 2	Heat shock-related 70 kDa protein 2
			Heat shock 70 kDa protein 1
	Heat shock 70 kDa protein 6	Heat shock 70 kDa protein 6	Heat shock 70 kDa protein 6
			Putative heat shock 70 kDa protein 7
			Heat shock 70 kDa protein 1L
Heat shock cognate 71 kDa protein	Heat shock cognate 71 kDa protein	Heat shock cognate 71 kDa protein	Heat shock cognate 71 kDa protein
Putative heat shock protein HSP 90-alpha A2	Putative heat shock protein HSP 90-alpha A2	Putative heat shock protein HSP 90-alpha A2	Putative heat shock protein HSP 90-alpha A2
Putative heat shock protein HSP 90-beta 2	Putative heat shock protein HSP 90-beta 2	Putative heat shock protein HSP 90-beta 2	Putative heat shock protein HSP 90-beta 2
Putative heat shock protein HSP 90-beta-3	Putative heat shock protein HSP 90-beta-3	Putative heat shock protein HSP 90-beta-3	Putative heat shock protein HSP 90-beta-3
	Putative heat shock protein HSP 90-beta 4		Putative heat shock protein HSP 90-beta 4
	Heterogeneous nuclear ribonucleoprotein A1	Heterogeneous nuclear ribonucleoprotein A1	Heterogeneous nuclear ribonucleoprotein A1
	Putative heterogeneous nuclear ribonucleoprotein A	Putative heterogeneous nuclear ribonucleoprotein A	Putative heterogeneous nuclear ribonucleoprotein A
	Heterogeneous nuclear ribonucleoprotein A1-like	Heterogeneous nuclear ribonucleoprotein A1-like	Heterogeneous nuclear ribonucleoprotein A1-like
		Heterogeneous nuclear ribonucleoprotein A/B	
Heterogeneous nuclear ribonucleoproteins A2/B1	Heterogeneous nuclear ribonucleoproteins A2/B1	Heterogeneous nuclear ribonucleoproteins A2/B1	Heterogeneous nuclear ribonucleoproteins A2/B1

	Heterogeneous nuclear ribonucleoprotein C-like 1		Heterogeneous nuclear ribonucleoprotein C-like 1
Heterogeneous nuclear ribonucleoproteins C1/C2	Heterogeneous nuclear ribonucleoproteins C1/C2	Heterogeneous nuclear ribonucleoproteins C1/C2	Heterogeneous nuclear ribonucleoproteins C1/C2
	Heterogeneous nuclear ribonucleoprotein D0	Heterogeneous nuclear ribonucleoprotein D0	Heterogeneous nuclear ribonucleoprotein D0
			Heterogeneous nuclear ribonucleoprotein D-like
Heterogeneous nuclear ribonucleoprotein K	Heterogeneous nuclear ribonucleoprotein K	Heterogeneous nuclear ribonucleoprotein K	Heterogeneous nuclear ribonucleoprotein K
	Heterogeneous nuclear ribonucleoprotein M		
	Histone H2A type 1	Histone H2A type 1	
	Histone H2A type 1-B/E	Histone H2A type 1-B/E	
	Histone H2A type 1-C	Histone H2A type 1-C	
	Histone H2A type 1-D	Histone H2A type 1-D	
	Histone H2A type 1-H	Histone H2A type 1-H	
	Histone H2A type 1-J	Histone H2A type 1-J	
	Histone H2A type 2-A	Histone H2A type 2-A	
	Histone H2A type 2-C	Histone H2A type 2-C	
	Histone H2A type 3	Histone H2A type 3	
	Histone H2A.J	Histone H2A.J	
		Importin-5	Importin-5
		Importin subunit alpha-2	
Importin subunit beta-1	Importin subunit beta-1	Importin subunit beta-1	Importin subunit beta-1
			Integrin beta-1
	Latexin	Latexin	Latexin
L-lactate dehydrogenase A chain	L-lactate dehydrogenase A chain	L-lactate dehydrogenase A chain	L-lactate dehydrogenase A chain
L-lactate dehydrogenase B chain	L-lactate dehydrogenase B chain	L-lactate dehydrogenase B chain	L-lactate dehydrogenase B chain

Lysosome-associated membrane glycoprotein 2		Lysosome-associated membrane glycoprotein 2	
			Malate dehydrogenase, cytoplasmic
	Moesin	Moesin	Moesin
Myosin-9	Myosin-9	Myosin-9	Myosin-9
Myosin-10		Myosin-10	Myosin-10
Myosin-11	Myosin-11	Myosin-11	Myosin-11
Myosin-14	Myosin-14	Myosin-14	Myosin-14
Myosin light polypeptide 6	Myosin light polypeptide 6	Myosin light polypeptide 6	Myosin light polypeptide 6
Myosin light chain 6B	Myosin light chain 6B	Myosin light chain 6B	Myosin light chain 6B
Myosin regulatory light chain 12A	Myosin regulatory light chain 12A	Myosin regulatory light chain 12A	Myosin regulatory light chain 12A
Myosin regulatory light chain 12B	Myosin regulatory light chain 12B	Myosin regulatory light chain 12B	Myosin regulatory light chain 12B
Myosin regulatory light polypeptide 9	Myosin regulatory light polypeptide 9	Myosin regulatory light polypeptide 9	Myosin regulatory light polypeptide 9
Myristoylated alanine-rich C-kinase substrate	Myristoylated alanine-rich C-kinase substrate	Myristoylated alanine-rich C-kinase substrate	Myristoylated alanine-rich C-kinase substrate
			Multifunctional protein ADE2
			NAD(P)H dehydrogenase [quinone] 1
Nicotinamide N-methyltransferase	Nicotinamide N-methyltransferase	Nicotinamide N-methyltransferase	Nicotinamide N-methyltransferase
Neuroblast differentiation-associated protein AHNAK	Neuroblast differentiation-associated protein AHNAK	Neuroblast differentiation-associated protein AHNAK	Neuroblast differentiation-associated protein AHNAK
	Nucleophosmin	Nucleophosmin	Nucleophosmin
			Nuclease-sensitive element-binding protein 1
	Putative nucleoside diphosphate kinase		
	Nucleoside diphosphate kinase B		
POTE ankyrin domain family member E	POTE ankyrin domain family member E	POTE ankyrin domain family member E	POTE ankyrin domain family member E
POTE ankyrin domain family member F	POTE ankyrin domain family member F	POTE ankyrin domain family member F	POTE ankyrin domain family member F
Peptidyl-prolyl cis-trans isomerase A	Peptidyl-prolyl cis-trans isomerase A	Peptidyl-prolyl cis-trans isomerase A	Peptidyl-prolyl cis-trans isomerase A

Peptidyl-prolyl cis-trans isomerase B	Peptidyl-prolyl cis-trans isomerase B	Peptidyl-prolyl cis-trans isomerase B	Peptidyl-prolyl cis-trans isomerase B
Peroxiredoxin-1	Peroxiredoxin-1	Peroxiredoxin-1	Peroxiredoxin-1
Peroxiredoxin-6	Peroxiredoxin-6	Peroxiredoxin-6	
	Peripherin	Peripherin	Peripherin
Phosphoglycerate kinase 1	Phosphoglycerate kinase 1	Phosphoglycerate kinase 1	Phosphoglycerate kinase 1
	Phosphoglycerate mutase 1	Phosphoglycerate mutase 1	Phosphoglycerate mutase 1
	Phosphoglycerate mutase 2		Phosphoglycerate mutase 2
	Probable phosphoglycerate mutase 4		Probable phosphoglycerate mutase 4
			Proteasome subunit beta type-3
Plastin-3	Plastin-3	Plastin-3	
		Polyadenylate-binding protein 1	
Proactivator polypeptide	Proactivator polypeptide	Proactivator polypeptide	Proactivator polypeptide
Profilin-1	Profilin-1	Profilin-1	Profilin-1
Prolactin-inducible protein			
Proteasome activator complex subunit 2			
Protein disulfide-isomerase	Protein disulfide-isomerase	Protein disulfide-isomerase	Protein disulfide-isomerase
Protein disulfide-isomerase A3	Protein disulfide-isomerase A3	Protein disulfide-isomerase A3	Protein disulfide-isomerase A3
	Protein disulfide-isomerase A4		
	Protein disulfide-isomerase A6	Protein disulfide-isomerase A6	Protein disulfide-isomerase A6
Pyruvate kinase isozymes M1/M2	Pyruvate kinase isozymes M1/M2	Pyruvate kinase isozymes M1/M2	Pyruvate kinase isozymes M1/M2
	Poly(rC)-binding protein 1	Poly(rC)-binding protein 1	Poly(rC)-binding protein 1
	Poly(rC)-binding protein 2	Poly(rC)-binding protein 2	Poly(rC)-binding protein 2
	Poly(rC)-binding protein 3		
		Rab GDP dissociation inhibitor alpha	Rab GDP dissociation inhibitor alpha
		Rab GDP dissociation inhibitor beta	Rab GDP dissociation inhibitor beta
			Radixin
			Ras-related protein Rab-5C

Ras-related protein Rab-10	Ras-related protein Rab-10	Ras-related protein Rab-10	Ras-related protein Rab-10
		Ras-related protein Rab-1A	Ras-related protein Rab-1A
	Ras-related protein Rab-1B	Ras-related protein Rab-1B	Ras-related protein Rab-1B
	Ras-related protein Rab-15	Ras-related protein Rab-15	Ras-related protein Rab-15
		Putative Ras-related protein Rab-1C	Putative Ras-related protein Rab-1C
			Ras-related C3 botulinum toxin substrate
			Ras-related C3 botulinum toxin substrate 3
Reticulon-4	Reticulon-4	Reticulon-4	Reticulon-4
		Rho GDP-dissociation inhibitor 1	
		Ribonuclease inhibitor	
RNA-binding protein EWS			
RNA-binding protein FUS		RNA-binding protein FUS	
Sacsin			
Serpin H1	Serpin H1	Serpin H1	Serpin H1
		Serine/threonine-protein phosphatase 2A 65 kDa	Serine/threonine-protein phosphatase 2A 65 kDa
			Sorcin
T-complex protein 1 subunit beta	T-complex protein 1 subunit beta	T-complex protein 1 subunit beta	T-complex protein 1 subunit beta
T-complex protein 1 subunit gamma	T-complex protein 1 subunit gamma	T-complex protein 1 subunit gamma	T-complex protein 1 subunit gamma
			T-complex protein 1 subunit delta
	T-complex protein 1 subunit theta	T-complex protein 1 subunit theta	T-complex protein 1 subunit theta
		T-complex protein 1 subunit eta	T-complex protein 1 subunit eta
			T-complex protein 1 subunit epsilon
Thioredoxin	Thioredoxin	Thioredoxin	
Thioredoxin domain-containing protein 5		Thioredoxin domain-containing protein 5	
Transgelin	Transgelin	Transgelin	Transgelin

Transgelin-2	Transgelin-2	Transgelin-2	Transgelin-2
		Transitional endoplasmic reticulum ATPase	
			Translationally-controlled tumor protein
	Transketolase	Transketolase	Transketolase
Triosephosphate isomerase	Triosephosphate isomerase	Triosephosphate isomerase	Triosephosphate isomerase
	Tropomyosin alpha-4 chain	Tropomyosin alpha-4 chain	
Tubulin alpha-1A chain	Tubulin alpha-1A chain	Tubulin alpha-1A chain	Tubulin alpha-1A chain
Tubulin alpha-1B chain	Tubulin alpha-1B chain	Tubulin alpha-1B chain	Tubulin alpha-1B chain
Tubulin alpha-1C chain	Tubulin alpha-1C chain	Tubulin alpha-1C chain	Tubulin alpha-1C chain
Tubulin alpha chain-like 3	Tubulin alpha chain-like 3	Tubulin alpha chain-like 3	Tubulin alpha chain-like 3
Tubulin alpha-3C/D chain	Tubulin alpha-3C/D chain	Tubulin alpha-3C/D chain	Tubulin alpha-3C/D chain
Tubulin alpha-3E chain	Tubulin alpha-3E chain	Tubulin alpha-3E chain	Tubulin alpha-3E chain
Tubulin alpha-4A chain	Tubulin alpha-4A chain	Tubulin alpha-4A chain	Tubulin alpha-4A chain
Tubulin alpha-8 chain	Tubulin alpha-8 chain	Tubulin alpha-8 chain	Tubulin alpha-8 chain
Tubulin beta chain	Tubulin beta chain	Tubulin beta chain	Tubulin beta chain
	Tubulin beta-1 chain	Tubulin beta-1 chain	
Tubulin beta-2C chain	Tubulin beta-2C chain	Tubulin beta-2C chain	Tubulin beta-2C chain
	Tubulin beta-4 chain	Tubulin beta-4 chain	Tubulin beta-4 chain
Tubulin beta-8 chain	Tubulin beta-8 chain	Tubulin beta-8 chain	Tubulin beta-8 chain
Tubulin beta-8 chain B	Tubulin beta-8 chain B	Tubulin beta-8 chain B	Tubulin beta-8 chain B
Putative tubulin beta-4q chain	Putative tubulin beta-4q chain	Putative tubulin beta-4q chain	Putative tubulin beta-4q chain
Tubulin beta-2A chain	Tubulin beta-2A chain	Tubulin beta-2A chain	Tubulin beta-2A chain
Tubulin beta-2B chain	Tubulin beta-2B chain	Tubulin beta-2B chain	Tubulin beta-2B chain
Tubulin beta-3 chain	Tubulin beta-3 chain	Tubulin beta-3 chain	Tubulin beta-3 chain
Tubulin beta-6 chain	Tubulin beta-6 chain	Tubulin beta-6 chain	Tubulin beta-6 chain
Putative tubulin-like protein alpha-4B	Putative tubulin-like protein alpha-4B	Putative tubulin-like protein alpha-4B	Putative tubulin-like protein alpha-4B

Tubulin alpha chain-like 3			
Ubiquitin		Ubiquitin	
Ubiquitin carboxyl-terminal hydrolase isozyme L1	Ubiquitin carboxyl-terminal hydrolase isozyme L1	Ubiquitin carboxyl-terminal hydrolase isozyme L1	Ubiquitin carboxyl-terminal hydrolase isozyme L1
			Ubiquitin-conjugating enzyme E2 variant 1
			Ubiquitin-conjugating enzyme E2 variant 2
Ubiquitin-conjugating enzyme E2 N			
vimentin	vimentin	vimentin	vimentin
Zinc-alpha-2-glycoprotein			