

Selenoprotein P is the essential selenium transporter for bone

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Suppl. Table S1:

Gene	forward (5' - 3')	reverse (5' - 3')
18S	ttgacggaaggcaccaccag	gcaccaccaccacggaatcg
Gpx1	atcagttcggacaccaggag	cattccgcaggaaggtaaag
Gpx2	tcactctgaggaacaactacc	gatctcctcgttctgacagttc
10 Gpx3	aaacaggagccagcgagaact	cccgttcacatctcctttcaaa
Gpx4	atgccatcaaatggaactttac	gtgtaggggcacacactgtga
Dio1	ccagtactctggtttgtctg	gaggcaaatgcatctacgagtc
Dio2	ttcctcctagatgcctacaac	ttctccgaggcataattgttac
Dio3	ctccaaagaaagtcaaaaggtg	caaaaacgtcaaaaaggagtc
15 Txnr1	caaatftgacaagaagtgtctg	agtcatgcttcactgtgtcttc
Txnr2	gcaaatgtcatcttgtgtcac	cttctccagattcaaagctctg
Txnr3	cagttggagaaagttaccag	tccccaatgacataaacatgag
Sephs2	tagctftgtccaatgtgtctc	taatccacgggtgaccact
Sepp	gftgaagaagccattaagatcg	attctctgaaggcttactgctg
20 Sepx	aggttttccagaatcactctg	tttagggacgaacttcagtgag
Sepr	tgtaagcatgttccatccac	ctgaagtcacgagatgtgtgtag
Sep15	atggtcgcctaactaacactc	cagacccccttgaaacg
Sepw	cagctcaaggagaagctagaac	ggaactgtctctgtatccac
Selh	ggcattgagcattgtacgag	tctcaattctcaaccacctc
25 Seli	ctftgaaactggtactgcttcc	tttggttctcaatgaaaaag
Selk	gcctgactgatacgagttc	atggcttgaaaaagccagac
Selm	atgacagttgaatcgctaaag	gagtggtgctctctagttc
Selo	aaactgacaacatgagcattg	ggaactcagtgcaactcctc
Selt	ggcttaataattgttgcaaag	tatctcaaatgcacctgtgtac
30 Selv	gttccactaaggagatcccatc	ctttctcttggaatggatcag
Seps	ctaaatgcccaagttgaaaaac	ttgggatgacagatgaagtag
SBP2	accgaagcttcacagtaaacag	cactgctccaactgagaacac
Selenbp1	caaatgacagatgggctgatac	gaagtaaggaagcggctc
Fabp1	aaactcaccatcacctatggac	tagcctgtctaaattctcttgc
35 eIF4a3	ggtttcaaggagcagatctatg	aaatttccattcctctcttcc
Ncl	gftctatgaaagccaagagtg	tgattaaggtttccaatgaac
Secp43	accagaactactatgccagtg	attatctaggcctctgccttc
Lrp1	cggccatggactcagttat	gtccagcagagtgacacagg
Lrp2	ccttttcactgctctagctcac	ttcacaggtctgtatcattg
40 Lrp8	gtcggatgagcctcagaag	caggggtgcatcactca

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Suppl. Table S2:

In silico analysis of transcript levels in osteoblasts vs. osteoclasts¹

Osteoblasts	Osteoclasts	Osteoblasts	Osteoclasts
<i>Gpx1</i>	< <i>Gpx1</i>	<i>Sbp2</i>	< <i>Sbp2</i>
<i>Gpx2</i>	< <i>Gpx2</i>	<i>Sebp1</i>	> <i>Sebp1</i>
<i>Gpx3</i>	> <i>Gpx3</i>	<i>Secp43</i>	< <i>Secp43</i>
<i>Gpx4</i>	< <i>Gpx4</i>	<i>Eif4a3</i>	< <i>Eif4a3</i>
<i>Dio1</i> ; background		<i>Fabp1</i> ; background	
<i>Dio2</i>	> <i>Dio2</i>	<i>Ncl</i>	< <i>Ncl</i>
<i>Dio3</i> ; no information		<i>Lrp1</i>	< <i>Lrp1</i>
<i>Txnr1</i>	< <i>Txnr1</i>	<i>Lrp2</i> ; background	
<i>Txnr2</i>	< <i>Txnr2</i>	<i>Lrp8</i>	< <i>Lrp8</i>
<i>Txnr3</i>	< <i>Txnr3</i>		
<i>Sephs2</i>	< <i>Sephs2</i>		
<i>Sepp</i>	> <i>Sepp</i>		
<i>Selr</i>	< <i>Selr</i>		
<i>Sepr</i>	> <i>Sepr</i>		
<i>Sep15</i>	> <i>Sep15</i>		
<i>Sepw</i>	> <i>Sepw</i>		
<i>Selh</i>	< <i>Selh</i>		
<i>Seli</i>	< <i>Seli</i>		
<i>Selk</i>	> <i>Selk</i>		
<i>Selm</i>	> <i>Selm</i>		
<i>Selo</i>	< <i>Selo</i>		
<i>Selt</i> ; background			
<i>Selv</i> ; background			
<i>Sels</i>	> <i>Sels</i>		

¹Data are retrieved from the BioGPS database (biogps.org). Genes in bold letters denote relatively strong expression.

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