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Supplementary table captions

Table S1 Strains and plasmids used in the present study

Table S2 Primers used in gene cloning, plasmid construction and quantitative RT-qPCR analysis

Table S1

Strain/plasmid Strain	Description	Source/Reference
Trans1-T1	F-φ80(*lacZ*)ΔM15△*lac*X74*hsd*R(r_k^-, m_k^+)△*rec*A1398*end*A1*ton*A	TransGen, Beijing, China
*Trans*etta (DE3)	F^-ompT*hsd*S_B($r_B^-m_B^-$)*gal dcm lac*Y1(DE3)pRARE(argU, argW,ilex,glyT,leuW,proL))Cam^r)	TransGen, Beijing, China
BL21(DE3)	F^- *omp*T *hsd*S($r_B^-m_B^-$) *gal dcm*(DE3)	TransGen, Beijing, China
Plasmid		
pEASY™-Blunt	General cloning vector, T7 promoter, f1 ori, Amp and Kan	TransGen, Beijing, China
pET-28a(+)	General expression vector, T7 promoter, f1 ori, Kan	Novagen, Madison, USA
pGro7	A molecular chaperone plasmid expressing GroES-GroEL, araB promoter, Cm^r	Takara, Dalian, China
pKJE7	A molecular chaperone plasmid expressing DnaK-DnaJ-GrpE, araB promoter, Cm^r	Takara, Dalian, China
pEASY-OcUGE1	*pEASY*™-Blunt derived vector containing *OcUGE1* gene	This study
pEASY-OcUGE2	*pEASY*™-Blunt derived vector containing *OcUGE2* gene	This study
pEASY-OcUXE1	*pEASY*™-Blunt derived vector containing *OcUXE1* gene	This study
pEASY-OcUXE2	*pEASY*™-Blunt derived vector containing *OcUXE2* gene	This study
pET28a-OcUGE1	pET-28a (+) derived vector containing *OcUGE1* gene	This study
pET28a-OcUGE2	pET-28a (+) derived vector containing *OcUGE2* gene	This study
pET28a-OcUXE1	pET-28a (+) derived vector containing *OcUXE1* gene	This study
pET28a-OcUXE2	pET-28a (+) derived vector containing *OcUXE2 gene*	This study
pET28a-tOcUXE1	pET-28a (+) derived vector containing truncated *OcUXE1* gene	This study
pET28a-tOcUXE2	pET-28a (+) derived vector containing truncated *OcUXE2 gene*	This study

Table S2

Primers	Sequences(5'-3')	Description
FUXE1-1	AGCAAGAAATCACCACTCTC	Forward primer used for *OcUXE1* amplification in the first round
RUXE1-1	ATATGTGTCTAGACATTATGAT	Reverse primer used for *OcUXE1* amplification in the first round
FUXE1-2	ATGCTACCTAGTAGGGCGAG	Forward primer used for *OcUXE1* amplification in the second round
RUXE1-2	TCAGGGAGCCGAAGCTAAAC	Reverse primer used for *OcUXE1* amplification in the second round
FUXE2-1	ATGAAGGGGCTCTCTCAG	Forward primer used for *OcUXE2* amplification in the first round
RUXE2-1	TTCTGAACTAATGATGCAGT	Reverse primer used for *OcUXE2* amplification in the first round
FUXE2-2	ATGCCCCCAGTCAGCAGGAC	Forward primer used for *OcUXE2* amplification in the second round
RUXE2-2	TCAAAATGCCATGGCCAACG	Reverse primer used for *OcUXE2* amplification in the second round
FUGE1-1	AAACCCTCATTTAGTCTCATCTTCTTGA	Forward primer used for *OcUGE1* amplification in the first round
RUGE1-1	CGTCTTTTCCGTTTCCTTATTCTTT	Reverse primer used for *OcUGE1* amplification in the first round
FUGE1-2	ATGGGATCGGAGTGTAAGACGGAGA	Forward primer used for *OcUGE1* amplification in the second round
RUGE1-2	TCAAGCCTTTGGCCTGTAACCGTACTGATT	Reverse primer used for *OcUGE1* amplification in the second round
FUGE2-1	TCTCGCTCTTGATTCTTGATTTCG	Forward primer used for *OcUGE2* amplification in the first round
RUGE2-1	TGGTTTGGGTTCCTCCTTTAAGT	Reverse primer used for *OcUGE2* amplification in the first round
FUGE2-2	ATGGCGGGTTTGAACATCATGGTGA	Forward primer used for *OcUGE2* amplification in the second round
RUGE2-2	CTAATTATTCACTAGTATTTTAGCTTCC	Reverse primer used for *OcUGE2* amplification in the second round
F28aUXE1	CGCGGATCCGAATTCATGGGATCGGAGTGTA	Forward primer used for *pET28a-OcUXE1* construction
R28aUXE1	CGCGGATCCGAATTCATGGCGGGTTTGAACA	Reverse primer used for *pET28a-OcUXE1* construction
F28aUXE2	TGCGGCCGCAAGCTTCTAATTATTCACTAGT	Forward primer used for *pET28a-OcUXE2* construction
R28aUXE2	GTGCGGCCGCAAGCTTCTATTTCTCCCCGTTCAGGAT	Reverse primer used for *pET28a-OcUXE2* construction

F28aUGE1	CGCGGATCCGAATTCATGGGATCGGAGTGTA	Forward primer used for *pET28a-OcUGE1* construction
R28aUGE1	TGCGGCCGCAAGCTTTCAAGCCTTTGGCCTG	Reverse primer used for *pET28a-OcUGE1* construction
F28aUGE2	CGCGGATCCGAATTCATGGCGGGTTTGAACA	Forward primer used for *pET28a-OcUGE2* construction
R28aUGE2	TGCGGCCGCAAGCTTCTAATTATTCACTAGT	Reverse primer used for *pET28a-OcUGE2* construction
FRTUXE1	GTTCGTCCATGCTGACATTG	Forward primer used for *OcUXE1* RT-qPCR
RRTUXE1	CATCGGCCTGCATCAATTA	Reverse primer used for *OcUXE1* RT-qPCR
FRTUXE2	GATCAACCGCGAATTGAACT	Forward primer used for *OcUXE2* RT-qPCR
RRTUXE2	TAATGCAGGAGACCCTCCAC	Reverse primer used for *OcUXE2* RT-qPCR
FRTUGE1	AAGAACTTGGCTGGAAAGCA	Forward primer used for *OcUGE1* RT-qPCR
RRTUGE1	TGGGCCTTTTATCCCACATA	Reverse primer used for *OcUGE1* RT-qPCR
FRTUGE2	CTTCGAGGATGACCCATGAT	Forward primer used for *OcUGE2* RT-qPCR
RRTUGE2	AATTTCCTCCTTGGGTTTGG	Reverse primer used for *OcUGE2* RT-qPCR

Supplementary figure legend

Figure S1. SDS-PAGE analysis of crude extracts from *E. coli* co-expressing both pET28atOcUXE1 and pGro (1), and pET28atOcUXE2 and pKJE7 (2). Control, cell extracts of the empty vector without expressed molecular chaperones. Arrows refer to the expressed tOcUXE1 and tOcUXE2 proteins; * stands for the expressed molecular chaperones; Protein molecular mass standards (M, in kDa) are indicated on the right.

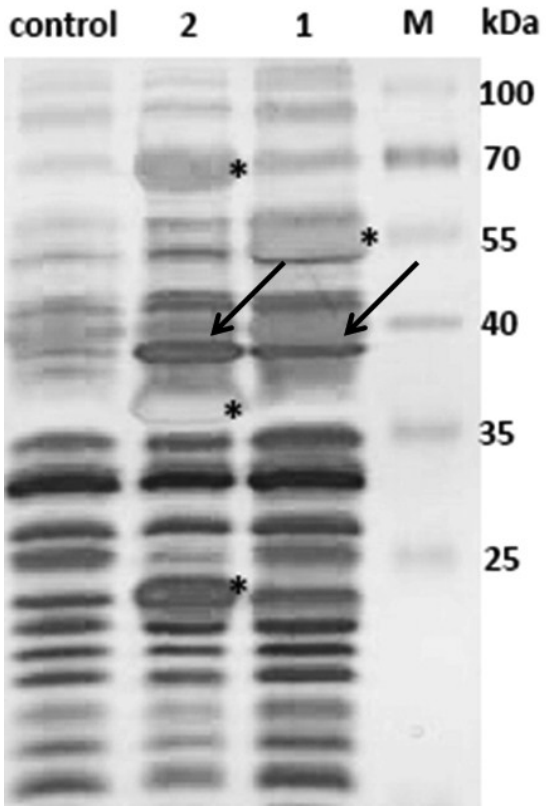

Fig. S1