Recombinant Full Length Human ERP29 Protein, GST-tagged

Cat. No. ERP29-4606HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ERP29 full-length ORF (NP_006808.1, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	261 amino acids
Description	This gene encodes a protein which localizes to the lumen of the endoplasmic reticulum (ER). It is a member of the protein disulfide isomerase (PDI) protein family but lacks an active thioredoxin motif, suggesting that this protein does not function as a disulfide isomerase. The canonical protein dimerizes and is thought to play a role in the processing of secretory proteins within the ER. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]
Molecular Mass	55.4 kDa
AA Sequence	MAAAVPRAAFLSPLLPLLLGFLLLSAPHGGSGLHTKGALPLDTVTFYKVIPKSKFVLV KFDTQYPYGEKQDEFKRLAENSASSDDLLVAEVGISDYGDKLNMELSEKYKLDKES YPVFYLFRDGDFENPVPYTGAVKVGAIQRWLKGQGVYLGMPGCLPVYDALAGEFIR ASGVEARQALLKQGQDNLSSVKETQKKWAEQYLKIMGKILDQGEDFPASEMTRIAR LIEKNKMSDGKKEELQKSLNILTAFQKKGAEKEEL

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ERP29 endoplasmic reticulum protein 29 [Homo sapiens]
Official Symbol	ERP29
Synonyms	ERP29; endoplasmic reticulum protein 29; C12orf8, chromosome 12 open reading frame 8; endoplasmic reticulum resident protein 29; ERp28; ERp29; ERp31; PDI DB; PDIA9; protein disulfide isomerase family A; member 9; endoplasmic reticulum resident protein 28; endoplasmic reticulum resident protein 31; endoplasmic reticulum lumenal protein ERp28; protein disulfide isomerase family A, member 9; PDI-DB; C12orf8;
Gene ID	10961
mRNA Refseq	NM_001034025
Protein Refseq	NP_001029197
MIM	602287

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UniProt ID	P30040

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