OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP720708

ERp19 (TXNDC12) (NM_015913) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human thioredoxin domain containing 12 (endoplasmic reticulum) (TXNDC12)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	His27-Leu168
Tag:	C-His
Predicted MW:	16.98 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Supplied as a 0.2 um filtered solution of 20mM PB, 150mM NaCl, 10% Glycerol, pH 7.4.
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_056997
Locus ID:	51060
UniProt ID:	O95881
RefSeq Size:	2412
Cytogenetics:	1p32.3
RefSeq ORF:	516
Synonyms:	AG1; AGR1; ERP16; ERP18; ERP19; hAG-1; hTLP19; PDIA16; TLP19

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Summary:	This gene encodes a member of the thioredoxin superfamily. Members of this family are characterized by a conserved active motif called the thioredoxin fold that catalyzes disulfide bond formation and isomerization. This protein localizes to the endoplasmic reticulum and has a single atypical active motif. The encoded protein is mainly involved in catalyzing native disulfide bond formation and displays activity similar to protein-disulfide isomerases. This protein may play a role in defense against endoplasmic reticulum stress. Alternate splicing results in both coding and non-coding variants. [provided by RefSeq, Mar 2012]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Glutathione metabolism

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