

## Product datasheet for **TP720708L**

### 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:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_056997</a>
Locus ID:	51060
UniProt ID:	<a href="#">O95881</a>
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