

Product datasheet for **TP310918M**

ERP29 (NM_006817) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human endoplasmic reticulum protein 29 (ERP29), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210918 protein sequence Red =Cloning site Green =Tags(s)

MAAAVPRAAFLSPLLPLLLGFLLLSAPHGGGSLHTKGALPLDVTVFYKVIPKSKFVLVKFDTQYPYGEKQ
DEFKRLAENSASSDLLVAEVGISDYGDKLNMESEKYKLDKESYPVFYLFRDGDFENPVPYTGAVKVGA
IQRWLKGGVYLGMPGCLPVDALAGEFIRASGVEARQALLKQGQDNLSVKETQKKWAEQYLKIMGKIL
DQGEDFPASEMTRIARLIEKNKMSDGKKEELQKSLNILTAFAQKKGAEKEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	25.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_006808</u>
Locus ID:	10961



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UniProt ID: [P30040](#), [V9HW71](#)

RefSeq Size: 1472

Cytogenetics: 12q24.13

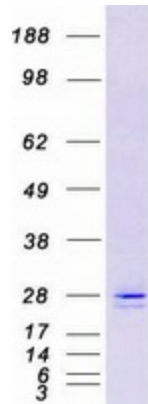
RefSeq ORF: 783

Synonyms: C12orf8; ERp28; ERp31; HEL-S-107; PDI-DB; PDIA9

Summary: 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]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified ERP29 protein (Cat# [TP310918]). The protein was produced from HEK293T cells transfected with ERP29 cDNA clone (Cat# [RC210918]) using MegaTran 2.0 (Cat# [TT210002]).