

## Product datasheet for **TP306683**

### ERP27 (NM\_152321) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human endoplasmic reticulum protein 27 (ERP27), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC206683 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MEAAPSRFMFLFLLTCELAEEVAEEVEKSSDGPAAQEPTWLTDPAAAMEFIAATEVAVIGFFQDLEIP  
AVPILHSMVQKFPVSGVSGISTDSEVLTHYNITGNTICLFRRLVDNEQLNLEDEDEDIESIDATKLSRFIEINS  
LHMVTEYNPVTVIGLFNSVIQIHLILLIMNKASPEYEENMHRYQKAAKLFQGGKILFILVDSGMKENGKVIS  
FFKLKESQLPALAIYQTLDDDEWDTLPTAEVSVHEVQNFCDGFLSGKLLKENRESEGKTPKVEL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 30.3 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:** [NP\\_689534](#)

**Locus ID:** 121506

**UniProt ID:** [Q96DN0](#)



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RefSeq Size: 1581

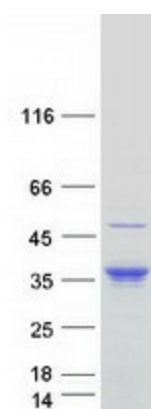
Cytogenetics: 12p12.3

RefSeq ORF: 819

Synonyms: C12orf46; PDIA8

**Summary:** This gene encodes a noncatalytic member of the protein disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins. The canonical protein has an N-terminal signal sequence, two thioredoxin (TRX)-like domains and a C-terminal ER-retention sequence. Alternative splicing results in multiple transcript variants encoding distinct isoforms; some of which lack domains present in the canonical protein. [provided by RefSeq, Dec 2016]

### Product images:



Coomassie blue staining of purified ERP27 protein (Cat# TP306683). The protein was produced from HEK293T cells transfected with ERP27 cDNA clone (Cat# [RC206683]) using MegaTran 2.0 (Cat# [TT210002]).