

Product datasheet for **TP304041L**

ERp72 (PDIA4) (NM_004911) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein disulfide isomerase family A, member 4 (PDIA4), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204041 protein sequence Red =Cloning site Green =Tags(s)

MRPRKAFLLLLLLGLVQLLAVAGAEGPDEDSSNRENAIEDEEEEEEDDDEEEDDLEVKEENGVLVLNDA
NFDNFVADKDTVLLLEFYAPWCGHCKQFAPEYEKIANILKDKDPPIPVAKIDATSASVLASRFDVSGYPTI
KILKKGQAVDYEGSRTQEEIVAKVREVSQPDWTPPPEVTLVLTKENFDEVNDADIILVEFYAPWCGHCK
KLAPEYEKAAKELSKRSPPIPLAKVDATEIDLAKRFDVSGYPTLKIFRKGRPYDNGPREKYGIVDYMI
EQSGPPSKEILTLKQVQEFKLDGDDVIIIIGVFKGESDPAYQQYQDAANNLREDYKFHHTFSTEIAKFLKV
SQGQLVVMQPEKFQSKYEPRSHMMDVQGSTQDSAIFVFLKYALPLVGHKVSNDKRYTRRPLVVVYYS
VDFSFDYRAATQFWRSKVLEVAKDFPEYTFAIAD EEDYAGEVKDLGLSESGEDVNAAILDESGKKFAMEP
EEFSDTLREFVTAFFKKGKLPVIKSPVPPKNNKGPVKVWVGKTFDSIVMDPKKDVLIIEFYAPWCGHCKQ
LEPVYNSLAKKYKQGKGLVIAKMDATANDVPSDRYKVEGFPTIYFAPSGDKKNPVKFEGGDRDLEHLSKF
IEEHATKLSRTKEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	72.8 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.



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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_004902](#)

Locus ID: 9601

UniProt ID: [P13667](#), [A0A090N8Y2](#)

RefSeq Size: 2970

Cytogenetics: 7q36.1

RefSeq ORF: 1935

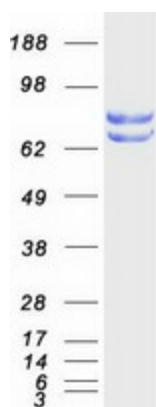
Synonyms: ERp-72; ERP70; ERP72

Summary: This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, three catalytically active thioredoxin (TRX) domains, two TRX-like domains and a C-terminal ER-retention sequence. This protein, when bound to cyclophilin B, enhances the rate of immunoglobulin G intermolecular disulfide bonding and antibody assembly. [provided by RefSeq, Dec 2016]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Vibrio cholerae infection

Product images:



Coomassie blue staining of purified PDIA4 protein (Cat# [TP304041]). The protein was produced from HEK293T cells transfected with PDIA4 cDNA clone (Cat# [RC204041]) using MegaTran 2.0 (Cat# [TT210002]).