

## Product datasheet for **TP304041M**

### 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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204041 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MRPRKAFLLLLLLGLVQLLAVAGAEGPDEDSSNRENAIEDEEEEEEDDDEEEDDLEVKEENGVLVLNDA  
NFDNFVADKDTVLLLEFYAPWCGHCKQFAPEYEKIANILKDKDPPPIVAKIDATSASVLASRFDVSGYPTI  
KILKKGQAVDYEGSRTQEEIVAKVREVSQPDWTPPPEVTLVLTKENFDEVNDADIILVEFYAPWCGHCK  
KLAPEYEKAAKELSKRSPPIPLAKVDATAETDLAKRFDVSGYPTLKIFRKRGPYDYNPREKYGIVDYMI  
EQSGPPSKEILTLKQVQEFKDGDDVIIIIGVFKGESDPAYQQYQDAANNLREDYKFHHTFSTEIAKFLKV  
SQGQLVVMQPEKFQSKYEPRSHMMDVQGSTQDSAIFVLYALPLVGHRKVSNDAKRYTRRPLVVVYYS  
VDFSFDYRAATQFWRSKVLEVAKDFPEYTFAIADDEDYAGEVKDLGLSESGEDVNAAILDESCKKAMEP  
EEFSDTLREFVTAFFKKGKLPVIKSPVPPKNNKGPVKVWVGKTFDSIVMDPKKDVLIIEFYAPWCGHCKQ  
LEPVYNSLAKKYKGQKGLVIKMDATANDVPSDRYKVEGFPTIYFAPSGDKKNPVKFEGGDRDLEHLSKF  
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

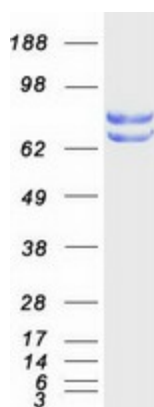
**Synonyms:** ERp-72; ERP70; ERP72

**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]).