

Product datasheet for TP304041

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

MRPRKAFLLLLLLGLVQLLAVAGAEGPDEDSSNRENAIEDEEEEEEDDDDEEEDDLEVKEENGVLVLNDA
NFDNFVADKDTVLLEFYAPWCGHCKQFAPEYEKIANILKDKDPPPIPAKIDATSASVLASRFDVSGYPTI
KILKKGQAVDYEGSRTQEEIVAKVREVSQPDWTPPPEVTLVLTKENFDEVNDADIILVEFYAPWCGHCK
KLAPEYEKAAKELSKRSPPIPLAKVDATAETDLAKRFDVSGYPTLKIIFRKRGRPYDNGPREKYGIVDYMI
EQSGPPSKEILTLKQVQEFKLDGDDVIIIIGVFKGESDPAYQQYQDAANNLREDYKFHHTFSTEIAKFLKV
SQGQLVVMQPEKFQSKYEPRSHMMDVQGSTQDSAIDKDFVLKYALPLVGHHRKVSNDAKRYTRRPLVVVY
S
VDFSFDYRAATQFWRSKVLEVAKDFPEYTFIAIDEEDYAGEVKDLGLSESGEDVNAAILDESGKKFAMEP
EEFSDTLREFVTAFKKGKLPVIKSPVPKNNKGPVKVWVGKTFDSIVMDPKKDVLIIEFYAPWCGHCKQ
LEPVYNSLAKKYKGQKGLVIKMDATANDVPSDRYKVEGFPTIYFAPSGDKKNPVKFEFGGDRDLEHLSKF
IEEHATKLSRTKEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

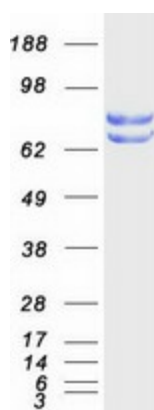
Tag:	C-Myc/DDK
Predicted MW:	72.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_004902
Locus ID:	9601
UniProt ID:	P13667
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]).