

## Product datasheet for **TP322382L**

### **PDI (PDIA2) (NM\_006849) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human protein disulfide isomerase family A, member 2 (PDIA2), 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC222382 representing NM_006849 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSRQLLPVLLLLLLLRASCPWGQEQGARSPSEEPPEEEIPKEDGILVLSRHTLGLALREHPALLVEFYAPW  
CGHCQALAPEYSKAAAVLAAESMVVTLAKVDGPAQRELAEEFGVTEYPTLKFFRNGNRTHPEEYTGPRDA  
EGIAEWLRRRVGPSAMRLEDEAAAQALIGGRDLVIGFFQDLQDEDVATFLALAQDALDMTFGLTDRPRL  
FQQFGLTKDVTVLFKKFDEGRADFPVDEELGLDLGDLRFLVTHSMRLVTEFNSQTSAKIFAARILNHLL  
LFVNQTLAAHRELLAGFGEAAPRFRGQVLFVVDVAADNEHVLQYFGLKAEAAPTLRLVNLETTKKYAPV  
DGGPVTAASITAFCHAVLNGQVKPYLLSQEIPPDWDQRPVKTLVGKNFEQVAFDETKNVFKFYAPWCTH  
CKEMAPAWEALAEKYQDHEDIIIAELDATANELDAFAVHGFPTLKYFPAGPGRKVIEYKSTRDLETFSKF  
LDNGGVLPTEEPPEEPAAPFPEPPANSTMGSKEEL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	58 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_006840](#)

Locus ID: 64714

UniProt ID: [Q13087](#)

RefSeq Size: 1726

Cytogenetics: 16p13.3

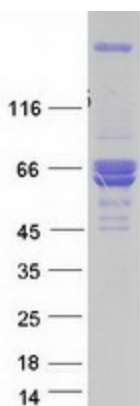
RefSeq ORF: 1575

Synonyms: PDA2; PDI; PDIP; PDIR

**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, two catalytically active thioredoxin (TRX) domains, two TRX-like domains and a C-terminal ER-retention sequence. The protein plays a role in the folding of nascent proteins in the endoplasmic reticulum by forming disulfide bonds through its thiol isomerase, oxidase, and reductase activity. The encoded protein also possesses estradiol-binding activity and can modulate intracellular estradiol levels. [provided by RefSeq, Sep 2017]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified PDIA2 protein (Cat# [TP322382]). The protein was produced from HEK293T cells transfected with PDIA2 cDNA clone (Cat# [RC222382]) using MegaTran 2.0 (Cat# [TT210002]).