

## Product datasheet for **TP720679**

### **PDIA6 (NM\_005742) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human protein disulfide isomerase family A, member 6 (PDIA6)
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293
<b>Expression cDNA Clone or AA Sequence:</b>	Leu20-Leu440
<b>Tag:</b>	C-His
<b>Predicted MW:</b>	47.2 kDa
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
<b>Endotoxin:</b>	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_005733</a>
<b>Locus ID:</b>	10130
<b>UniProt ID:</b>	<a href="#">Q15084</a> , <a href="#">A0A384NPU5</a>
<b>RefSeq Size:</b>	2349
<b>Cytogenetics:</b>	2p25.1
<b>RefSeq ORF:</b>	1320
<b>Synonyms:</b>	ERP5; P5; TXNDC7



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**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, a TRX-like domain, and a C-terminal ER-retention sequence. This protein inhibits the aggregation of misfolded proteins and exhibits both isomerase and chaperone activity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]

**Protein Families:**

Druggable Genome