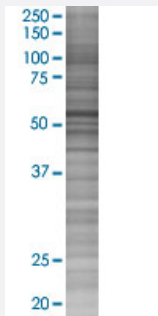


# PDIA3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002923-T02

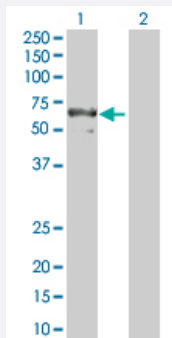
Size 100 uL

## Applications



### SDS-PAGE Gel

PDIA3 transfected lysate.



### Western Blot

Lane 1: PDIA3 transfected lysate ( 56.80 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-PDIA3 full-length
Host	Human
Theoretical MW (kDa)	56.8
Interspecies Antigen Sequence	Mouse (93)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-PDIA3 antibody ([H00002923-D01P](#)) by Western Blots.  
SDS-PAGE Gel  
PDIA3 transfected lysate.  
Western Blot  
Lane 1: PDIA3 transfected lysate ( 56.80 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — PDIA3

**Entrez GeneID**[2923](#)**GeneBank Accession#**[NM\\_005313.4](#)**Protein Accession#**[NP\\_005304.3](#)**Gene Name**

PDIA3

**Gene Alias**

ER60, ERp57, ERp60, ERp61, GRP57, GRP58, HsT17083, P58, PI-PLC

**Gene Description**

protein disulfide isomerase family A, member 3

**Omim ID**[602046](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates. [provided by RefSeq]

**Other Designations**

58 kDa microsomal protein|OTTHUMP00000041709|endoplasmic reticulum P58|glucose regulated protein, 58kDa|phospholipase C-alpha|protein disulfide isomerase-associated 3|protein disulfide-isomerase A3

## Pathway

- [Antigen processing and presentation](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)