

# Human PDIA4 Recombinant Protein



RPPB2086

## Product Information Protein Information

**Product SKU:**

RPPB2086

**Accession:**

P13667

**Host:**

Escherichia Coli.

**Protein description:**

PDIA4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 646 amino acids (21-645 a.a.) and having a molecular weight of 72.9kDa. The PDIA4 is fused to 21 a.a. His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile filtered colorless solution.

**Synonyms:**

Endoplasmic reticulum resident protein 72, ERP70, ERP72.

**Formulation:**

The PDIA4 1mg/ml protein solution contains 20mM Tris-HCl, pH-8, 1mM DTT, 0.1M NaCl and 10% glycerol.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MVAGAEGPDE DSSNRENAIE DEEEEEEDD DEEDDLEVK EENGVLVLND  
ANFDNFVADK DTVLLEFYAP WCGHCKQFAP EYEKIANILK DKDPPPIPAK IDATSASVLA SRFDVSGYPT  
IKILKKGQAV DYEGSRTQEE IVAKVREVSQ PDWTTPPEVT LVLTKENFDE VVNDADIILV EFYAPWCGHC  
KKLAPEYEKA AKELSKRSPP IPLAKVDATA ETDLAKRFDV SGYPTLKIFR KGRPYDYNP REKYGIVDYM  
IEQSGPPSKE ILTLKQVQEF LKDGDDVIII GVFKGESDPA YQQYQDAANN LREDYKFHHT FSTEIAKFLK  
VSQQLVVMQ PEKFSQKYEP RSHMMDVQGS TQDSAIFDFV LKYLPLVGH RKVSNDAKRY TRRPLVVVYY  
SVDVDFDYRA ATQFWRKVL EVAKDFPEYT FAIADEEDYA GEVKDLGLSE SGEDVNAAIL DESGKKFAME  
PEEFDSDTLR EFVTAFKKGK LKPKVKSQPV PKNNKGPVKV VVGKTFDSIV MDPKDVDLIE FYAPWCGHCK  
QLEPVYNLSA KKYKGQKGLV IAKMDATAND VPSDRYKVEG FPTIYFAPSG DKKNPVKFEG GDRDLEHLSK  
FIEEHATKLS RTKEEL

**Biological Activity:**

Specific activity > 10 A650/cm/min/mg. Enzymatic activity was confirmed by measuring the aggregation of insulin in the presence of DTT.