

PDIA4 Human

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 21a.a. His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: ENPS-253

For research use only.

Synonyms: Endoplasmic reticulum resident protein 72, ERP70, ERP72.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MVAGAEGPDE DSSNRENAIE
DEEEEEEDD DEEDDLEVK EENGVLVND ANFDNFVADK DTVLLEFYAP WCGHCKQFAP
EYEKIANILK DKDPIIPVAK IDATSASVLA SRFDVSGYPT IKILKKGQAV DYEGSRTQEE
IVAKVREVSQ PDWTPPPEVT LVLTKENFDE VVNDADIILV EFYAPWCGHC KKLAPYEYKA
AKELSKRSPP IP

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

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

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.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

PDIA4 is an endoplasmic reticulum luminal protein that is a stress protein as well as a member of the protein disulfide isomerase family of proteins. PDIA4 participates in the catalysis of protein-S-S-bond rearrangement. PDIA4 and PDIA3 function as proteases, protein disulfide isomerases, phospholipases or an arrangement of these.

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