Recombinant Human PDIA6 Protein (His Tag)

Catalog Number: PKSH032958



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Protein Disulfide-Isomerase A6;Endoplasmic Reticulum Protein 5;ER Protein

5;ERp5;Protein Disulfide Isomerase P5;Thioredoxin Domain-Containing Protein

7;PDIA6;ERP5;P5;TXNDC7

Species Human

Expression Host HEK293 Cells
Sequence Leu20-Leu440

Accession Q15084
Calculated Molecular Weight 47.2 kDa
Observed molecular weight 52 kDa
Tag C-His

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Store at $< -20^{\circ}$ C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping This product is provided as liquid. It is shipped at frozen temperature with blue

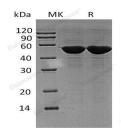
ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10%

Glycerol, pH 8.0.

Reconstitution Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Protein Disulfide-Isomerase A6 (PDIA6) is a 48.5kDa protein that belongs to the protein disulfide isomerase family (PDI). PDIA6 is an enzyme in the endoplasmic reticulum in eukaryotes which catalyzes the formation and breakage of disulfide bonds between cysteine residues within proteins as they fold. The PDIA6 expressed in platelets, its functions as a chaperone that inhibits aggregation of misfolded proteins. PDIA6 is part a large chaperone multiprotein complex comprising DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PDIA6, PPIB, SDF2L1, UGT1A1. PDIA6 also plays a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin.

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