

Recombinant Human PDIA2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDIA2-2676H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDIA2 MS Standard C13 and N15-labeled recombinant protein (NP_006840) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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, two TRX-like domains and a C-terminal ER-retention sequence. The protein plays a role in the folding of nascent proteins in the endoplasmic reticulum by forming disulfide bonds through its thiol isomerase, oxidase, and reductase activity. The encoded protein also possesses estradiol-binding activity and can modulate intracellular estradiol levels.
Molecular Mass	58 kDa
AA Sequence	MSRQLLPVLLLLLLLRASCPWGQEQGARSPSEEPPEEEIPKEDGILVLSRHTLGLALR EHPALLVEFYAPWCGHCQALAPEYSKAAAVLAAESMVVTLAKVDGPAQRELAEEFG VTEYPTLKFFRNGNRTHPEEYTGPRDAEGIAEWLRRRVGPSAMRLEDEAAAQALIG GRDLVVIGFFQDLQDEDEVATFLALAQDALDMTFGLTDRPRLFQQFGLTKD TVVLFFK FDEGRADFPVDEELGLDLGDLRFLVTHSMRLVTEFNSQTSAKIFAARILNHLLLFVN

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QTLAAHRELLAGFGGEAAPRFRGQVLFVVVDVAADNEHVLQYFGLKAEAAPTLRLVNL
ETTKKYAPVDGGPVTAASITAFCHAVLNGQVKPYLLSQEIPPDWDQRPVKTLVGKNF
EQVAFDETKNVFVKFYAPWCTHCKEMAPAWWEALAEKYQDHEDIIIAELDATANELDA
FAVHGFPTLKYFPAGPGRKVIEYKSTRDLETFSKFLDNGGVLPTEEPPEEPAAPFPE
PPANSTMGSKEELTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PDIA2 protein disulfide isomerase family A member 2 [Homo sapiens (human)]

Official Symbol PDIA2

Synonyms PDIA2; protein disulfide isomerase family A, member 2; PDIP, protein disulfide isomerase, pancreatic, protein disulfide isomerase associated 2; protein disulfide-isomerase A2; PDA2; PDI; PDIR; protein disulfide isomerase A2; Rho GDP dissociation inhibitor gamma; pancreatic protein disulfide isomerase; protein disulfide isomerase, pancreatic; protein disulfide isomerase-associated 2; pancreas-specific protein disulfide isomerase; PDIP;

Gene ID 64714

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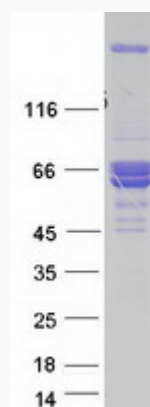
mRNA Refseq NM_006849

Protein Refseq NP_006840

MIM 608012

UniProt ID Q13087

SDS-PAGE



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