

Recombinant Human PDIA4 Protein

Catalog #	Source	Reactivity	Applications
CRP2081	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human PDIA4 Protein is produced by our mammalian expression system and the target gene encoding Val21-Leu645 is expressed with a 6His tag at the C-terminus.

Form Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.

Gene Symbol PDIA4

Alternative Names ERP70; ERP72; Protein disulfide-isomerase A4; Endoplasmic reticulum resident protein 70; ER protein 70; ERp70; Endoplasmic reticulum resident protein 72; ER protein 72; ERp-72; ERp72

Entrez Gene 9601 (Human)

SwissProt P13667 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure VAGAEGPDED SSNRENAIED EEEEEEDDD EEEDDLEVKE ENGLVVLNDA NFDNFVADKD
 TVLLEFYAPW CGHCKQFAPE YEKIANILKD KDPPIPVAKI DATSASVLAS RFDVSGYPTI
 KILKKGQAVD YEGSRTQEEI VAKVREVSQP DWTPPPEVTL VLTKENFDEV VNDADIILVE
 FYAPWCGHCK KLAPEYEKAA KELSKRSPPI PLAKVDATEA TDLAKRFDVS GYPTLKIFRK
 GRPYDYNGPR EKYGIVDYMI EQSGPPSKEI LTLKQVQEFL KDGDDVIIIG VFKGESDPAY
 QQYQDAANNL REDYKFHHTF STEIAKFLKV SQGQLVVMQP EKFSKYEPR
 SHMMDVQGST QDSAIDKDFVL KYALPLVGHR KVSNDKRYT RRPLVVVYYS VDFSFDYRAA
 TQFWRSKVLE VAKDFPEYTF AIADEEDYAG EVKDLGLSES GEDVNAAILD ESGKKFAMEP
 EEFDSDLTRE FVTAFKKGKL KPVIKSQPVP KNNKGPVKVV VGKTFDSIVM DPKKDVLIIEF

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

YAPWCGHCKQ LEPVYNSLAK KYKGQKGLVI AKMDATANDV PSDRYKVEGF PTIYFAPSGD
KKNPVKFEGG DRDLEHLSKF IEEHATKLSR TKEELLDHHH HHH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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