

Recombinant Rat PDIA6 Protein, C terminal His-tagged

Cat. No. PDIA6-4347R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat PDIA6 Protein with C terminal His-tag was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	20-440 aa
Description	Predicted to enable protein disulfide isomerase activity and protein-disulfide reductase activity. Involved in IRE1-mediated unfolded protein response. Located in endoplasmic reticulum lumen and smooth endoplasmic reticulum. Orthologous to human PDIA6 (protein disulfide isomerase family A member 6).
Form	Sterile PBS, pH7.4, 0.1 % SKL
AASequence	LYSSSDDVIELTPSNFNREVIQSDSLWLVEFYAPWCGHCQRLTPEWKKAASALKDV VKVGAVNADKHQSLGGQYGVQGFPPTIKIFGANKNKPEDYQGGRTGEAIVDAALSAL RQLVKDRLGGRSGGYSSGKQGRGDSSSKKDVELTDDTFDKNVLDSEDVWMVEF YAPWCGHCKNLEPEWAAAATEVKEQTKGKVKLAAVDATVNQVLASRYGKGFPTIKI FQKGESPVDYDGGRTSRDIVSRALDLFSDNAPPELLEIINEDIAKKTCEEHQLCVVA VLPHILDTGATGRNSYLEVLLKLADKYKKKMWGWLWTEAGAQYELENALGIGGGFY PAMAAINARKMKFALLKGSFSEQGINEFLRELSFGRGSTAPVGGGSFPNITPREPWD GKDGELPVEDDIDLSDELDDLEKDELHHHHHHHHHH
Endotoxin	< 0.1 EU/μg by LAL

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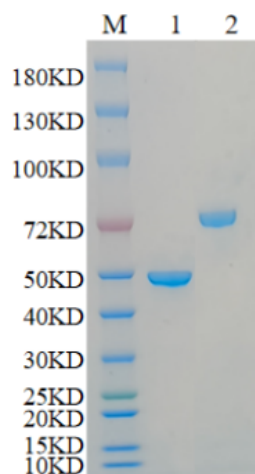
Purity	> 90 % by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.32 mg/mL by BCA
GENE INFORMATION	
Gene Name	Pdia6 protein disulfide isomerase family A, member 6 [Rattus norvegicus (Norway rat)]
Official Symbol	PDIA6
Synonyms	Pdia6; protein disulfide isomerase family A, member 6; P5; CaBP1; Txndc7; protein disulfide-isomerase A6; calcium-binding protein 1; protein disulfide isomerase P5; protein disulfide isomerase associated 6; protein disulfide isomerase-related protein; thioredoxin domain containing 7; thioredoxin domain-containing protein 7; EC 5.3.4.1
Gene ID	286906
mRNA Refseq	NM_001004442
Protein Refseq	NP_001004442
UniProt ID	Q63081

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SDS-PAGE and WB



Reducing 12 % SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified PDIA6. 1. PDIA6: 1 µg 2. BSA: 1 µg

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