

Recombinant Full Length Human PRDX6 Protein, C-Flag-tagged

Cat. No. PRDX6-647HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PRDX6 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H ₂ O ₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	24.9 kDa
AA Sequence	MPGGLLLGDVAPNFEANTTVGRIRFHDFLGDSWGILFSHPRDFTPVCTTELGRAAKL APEFAKRNVKLIASIDSVEDHLAWSKDINAYNCEEPTEKLPFPIIDDRNRELAILLGM LDPAEKDEKGMPVTARVVFVFGPDKKLKLSILYPATTGRNFDEILRVVISLQLTAEKR VATPVDWKDGDSVMVLPTIPEEEAKKLFPKGVFTKE LPSGKKYLRYPTRPQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Methane metabolism, Phenylalanine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	PRDX6 peroxiredoxin 6 [Homo sapiens (human)]
Official Symbol	PRDX6
Synonyms	PRX; p29; AOP2; 1-Cys; NSGPx; aiPLA2; LPCAT-5; HEL-S-128m
Gene ID	9588
mRNA Refseq	NM_004905.3
Protein Refseq	NP_004896.1
MIM	602316

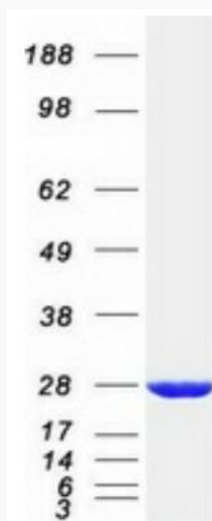
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UniProt ID

P30041



Coomassie blue staining of purified PRDX6 protein.

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