Recombinant Full Length Human PRDX4 Protein, C-Flag-tagged

Cat. No. PRDX4-2119HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PRDX4 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 an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	30.4 kDa
AA Sequence	MEALPLLAATTPDHGRHRRLLLLPLLLFLLPAGAVQGWETEERPRTREEECHFYAG GQVYPGEASRVSVA DHSLHLSKAKISKPAPYWEGTAVIDGEFKELKLTDYRGKYLV FFFYPLDFTFVCPTEIIAFGDRLEEFRS INTEVVACSVDSQFTHLAWINTPRRQGGLG PIRIPLLSDLTHQISKDYGVYLEDSGHTLRGLFIIDDKGI LRQITLNDLPVGRSVDETLR LVQAFQYTDKHGEVCPAGWKPGSETIIPDPAGKLKYFDKLN TRTRPLEQKLISEEDL AANDILDYKDDDDKV

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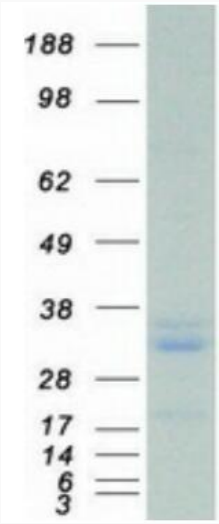
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate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

GENE INFORMATION

Gene Name	PRDX4 peroxiredoxin 4 [Homo sapiens (human)]
Official Symbol	PRDX4
Synonyms	PRX-4; AOE372; AOE37-2; HEL-S-97n
Gene ID	10549
mRNA Refseq	NM_006406.2
Protein Refseq	NP_006397.1
MIM	300927

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UniProt ID	Q13162



Coomassie blue staining of purified PRDX4 protein.

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