

Recombinant Human PRDX4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRDX4-700H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRDX4 MS Standard C13 and N15-labeled recombinant protein (NP_006397) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	30.5 kDa
AA Sequence	MEALPLLAATTPDHGRHRLLLLPLLLFLLPAGAVQGWETEERPRTREEECHFYAG GQVYPGEASRVSVADHSLHLSKAKISKAPYWEGTAVIDGEFKEKLKLTDRGKYLVF FFYPLDFTFVCPTEIIAFGDRLEEFRSINTEVVACSVDSQFTHLAWINTPRRQGGLGPI RIPLLSDLTHQISKDYGVYLEDSGHTLRGLFIIDDKGILRQITLNDLPVGRSVDETLRLV QAFQYTDKHGEVCPAGWKPGSETIIPDPAGKLKYFDKLNTRTRPLEQKLISEEDLAA NDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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	PRDX4 peroxiredoxin 4 [Homo sapiens (human)]
Official Symbol	PRDX4
Synonyms	PRDX4; peroxiredoxin 4; peroxiredoxin-4; AOE37 2; prx-IV; peroxiredoxin IV; antioxidant enzyme AOE372; thioredoxin peroxidase A0372; thioredoxin peroxidase (antioxidant enzyme); thioredoxin-dependent peroxide reductase A0372; PRX-4; AOE37-2;
Gene ID	10549
mRNA Refseq	NM_006406
Protein Refseq	NP_006397
MIM	606506
UniProt ID	Q13162

SDS-PAGE

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