Recombinant Human PRDX1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRDX1-5736H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRDX1 MS Standard C13 and N15-labeled recombinant protein (NP_859047) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Four transcript variants encoding the same protein have been identified for this gene.
Molecular Mass	21.9 kDa
AA Sequence	MSSGNAKIGHPAPNFKATAVMPDGQFKDISLSDYKGKYVVFFFYPLDFTFVCPTEIIA FSDRAEEFKKLNCQVIGASVDSHFCHLAWVNTPKKQGGLGPMNIPLVSDPKRTIAQ DYGVLKADEGISFRGLFIIDDKGILRQITVNDLPVGRSVDETLRLVQAFQFTDKHGEV CPAGWKPGSDTIKPDVQKSKEYFSKQKTRTRPLEQKLISEEDLAANDILDYKDDDDK V
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

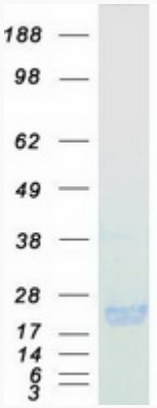
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PRDX1 peroxiredoxin 1 [Homo sapiens (human)]
Official Symbol	PRDX1
Synonyms	PRDX1; peroxiredoxin 1; PAGA; peroxiredoxin-1; NKEFA; NKEF-A; thioredoxin peroxidase 2; proliferation-associated gene A; natural killer-enhancing factor A; proliferation-associated gene protein; natural killer cell-enhancing factor A; thioredoxin-dependent peroxide reductase 2; PAG; PAGB; PRX1; PRXI; MSP23; TDPX2;
Gene ID	5052
mRNA Refseq	NM_181696
Protein Refseq	NP_859047
MIM	176763
UniProt ID	Q06830

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SDS-PAGE	

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