

Recombinant Mouse Prdx2 Protein, Myc/DDK-tagged

Cat. No. Prdx2-5102M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length peroxiredoxin 2 (Prdx2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system. It is not able to receive electrons from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H ₂ O ₂ .
Molecular Mass	21.8 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Prdx2 peroxiredoxin 2 [Mus musculus (house mouse)]
Official Symbol	Prdx2
Synonyms	PRDX2; peroxiredoxin 2; peroxiredoxin-2; Prx II-1; Calpromotin; protector protein; thioredoxin reductase; thioredoxin peroxidase 1; Trx dependent peroxide reductase 1; thiol specific antioxidant protein; thiol-specific antioxidant protein; thioredoxin dependent peroxide reductase 1; thioredoxin-dependent peroxide reductase 1; TR; PRP; TPx; TSA; TDX1; NkefB; PrxII; TPx-B; Tdpx1; Torin; Band-8; AL022839
Gene ID	21672
mRNA Refseq	NM_011563
Protein Refseq	NP_035693
UniProt ID	Q61171

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