

## Recombinant Mouse Prdx2 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length peroxiredoxin 2 (Prdx2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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 <sub>2</sub> O <sub>2</sub> .
<b>Molecular Mass</b>	21.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

<b>Gene Name</b>	Prdx2 peroxiredoxin 2 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Prdx2
<b>Synonyms</b>	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
<b>Gene ID</b>	21672
<b>mRNA Refseq</b>	NM_011563
<b>Protein Refseq</b>	NP_035693
<b>UniProt ID</b>	Q61171

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA