

## Recombinant Mouse Prdx1 protein(Met1-Lys199), His-tagged

Cat. No. Prdx1-2544M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse PRDX1 (P35700) (Met 1-Lys 199) was expressed in E. coli, with a C-terminal polyhistidine tag.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Lys199
<b>Form</b>	Lyophilized from sterile PBS, 10% glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant mouse PRDX1 comprises 209 amino acids and has a calculated molecular mass of 23.5 kDa. The recombinant protein migrates as an approximately 27 kDa band in SDS-PAGE under reducing conditions.
<b>Purity</b>	> 85 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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## GENE INFORMATION

**Gene Name** Prdx1 peroxiredoxin 1 [ Mus musculus ]

**Official Symbol** Prdx1

**Synonyms** PRDX1; peroxiredoxin 1; peroxiredoxin-1; thioredoxin peroxidase 2; osteoblast specific factor 3; osteoblast-specific factor 3; macrophage 23 Kd stress protein; macrophage 23kDa stress protein; macrophage stress protein 22kDa; macrophage stress protein 23 kd; proliferation-associated gene A; macrophage 23 kDa stress protein; Trx dependent peroxide reductase 2; thioredoxin dependent peroxide reductase 2; thioredoxin-dependent peroxide reductase 2; PAG; OSF3; Paga; Prxl; TDX2; TPxA; prx1; MSP23; NkefA; OSF-3; Prdxl; Tdpx2;

**Gene ID** 18477

**mRNA Refseq** NM\_011034

**Protein Refseq** NP\_035164

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