

## Recombinant Mouse Prdx1 protein, His & GST-tagged

**Cat. No.** Prdx1-8047M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Prdx1 aa. (Met1~Lys199 (Accession # P35700)) fused with N-terminal His & GST tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1~Lys199
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 54.1kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.5.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage Buffer**

Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

**Reconstitution**

Reconstitute in ddH<sub>2</sub>O.

## GENE INFORMATION

**Gene Name**

[Prdx1 peroxiredoxin 1 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol**

[Prdx1](#)

**Synonyms**

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

**Gene ID**

[18477](#)

**mRNA Refseq**

[NM\\_011034.4](#)

**Protein Refseq**

[NP\\_035164.1](#)

**UniProt ID**

[P35700](#)

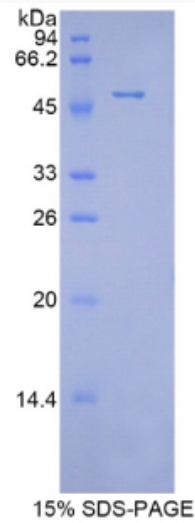
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SDS-PAGE



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