

# Mouse PRDX1 Recombinant Protein



RPPB2175

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## Product Information    Protein Information

**Product SKU:**

RPPB2175

**Accession:**

P35700

**Host:**

Sf9, Baculovirus cells.

**Protein description:**

PRDX1 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 207 amino acids (1-199a.a.) and having a molecular mass of 23.2kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). PRDX1 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Peroxiredoxin-1, Macrophage 23 kDa stress protein, Osteoblast-specific factor 3, OSF-3, Thioredoxin peroxidase 2, Thioredoxin-dependent peroxide reductase 2.

**Formulation:**

PRDX1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MSSGNAKIGY PAPNFKATAV MPDGQFKDIS LSEYKGKYVV FFFYPLDFTF VCPTEIIAFS DRADEFKMLN  
CQVIGASVDS HFCHLAWINT PKKQGGLGPM NIPLISDPKR TIAQDYGVLK ADEGISFRGL FIIDDKGILR  
QITINDLPVG RSVDEIIRLV QAFQFTDKHG EVCPAGWKPG SDTIKPDVVK SKEYFSKQKL EHHHHHHH.

**Biological Activity:**

Specific activity is >2,500 pmol/min/ug. Enzymatic activity is defined as the amount of hydroperoxide that 1ug of enzyme can reduce at 25°C for minute.