

Peroxiredoxin-1 Mouse Recombinant

Item Number	rAP-1498
Synonyms	Peroxiredoxin-1, Macrophage 23 kDa stress protein, Osteoblast-specific factor 3, OSF-3, Thioredoxin peroxidase 2, Thioredoxin-dependent peroxide reductase 2.
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).
Uniprot Accesion Number	P35700
Amino Acid Sequence	MSSGNAKIGY PAPNFKATAV MPDGQFKDIS LSEYKGKYVV FFFYPLDFTF VCPTTEIAFS DRADEFKKLN CQVIGASVDS HFCHLAWINT PKKQGGLGPM NIPLISDPKR TIAQDYGVLK ADEGISFRGL FIIDDKGILR QITINDLPVG RSVDEIIRLV QAFQFTDKHG EVCPAGWKPG SDTIKPDVNK SKEYFSKQKL EHHHHHH.
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	PRDX1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**