

Prdx1 active protein

Prdx1, 1-199aa, Mouse, His tag, Baculovirus (Bioactivity Validated)

CATALOG # AAA48922	HOST Baculovirus	APPLICATIONS SDS-Page
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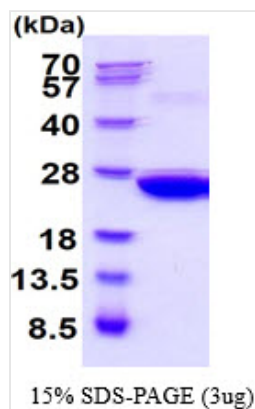
PRODUCT SYNONYMS

Prdx1; 1-199aa; Mouse; His tag; Baculovirus (Bioactivity Validated); Peroxiredoxin-1; MSP23; NkefA; OSF-3; OSF3; PAG; Paga; Prdx I; prdx1; Prx I; Tdpx2; TDX2; TPxA; Prdx1 active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.
Concentration	0.5 mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	MSSGNAKIGY PAPNFKATAV MPDGQFKDIS LSEYKGKYVV FFFYPLDFTF VCPTEIIAFS DRADEFKKN CQVIGASVDS HFCHLAWINT PKKQGGGLPM NIPLISDPKR TIAQDYGVK ADEGISFRGL FIIDDKGILR QITINDLPVG RSVDEIIRLV QAFQFTDKHG EVCPAGWKPG SDTIKPDVKN SKEYFSKQKL EHHHHHHH
Sequence Length	199
Applicable Applications for Prdx1 active protein	Enzyme Activity, SDS-PAGE
Antigen Species	Mouse
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity	Specific activity is >4,000 pmol/min/ug. Enzymatic activity is defined as the amount of hydroperoxide that 1ug of enzyme can reduce at 25C for minute.
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Prdx1 active protein	Prdx1, also known as peroxiredoxin-1, is an important member of peroxiredoxins (Prdxs) regulating various cellular signaling and differentiation. It confers an aggressive survival phenotype of cancer cells and drug-resistance. This protein is also identified as a red blood cell factor which enhances natural killer (NK) cell activity. Recombinant mouse Prdx1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for Prdx1 active protein	Enzymes & Proteases
References	Zhou J., et al. (2015) Int J Clin Exp Pathol. 8:9863-9874.; Sauri H., et al. (1996) J Leukoc Biol. 59:925-931.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754976
NCBI GeneID	18477
NCBI Accession #	NP_035164
NCBI GenBank Nucleotide #	NM_011034.4
UniProt Accession #	P35700; Q3UBV4; Q9CWI2
Molecular Weight	23.2kDa (207aa) 18-28KDa (SDS-PAGE under reducing conditions.)
NCBI Official Full Name	peroxiredoxin-1
NCBI Official Synonym Full Names	peroxiredoxin 1
NCBI Official Symbol	Prdx1
NCBI Official Synonym Symbols	PAG; OSF3; Paga; Prxl; TDX2; TPxA; prx1; MSP23; NkefA; OSF-3; Prdxl; Tdpx2
NCBI Protein Information	peroxiredoxin-1
UniProt Protein Name	Peroxiredoxin-1
UniProt Gene Name	Prdx1
UniProt Synonym Gene Names	Msp23; Paga; Tdpx2; OSF-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/baculovirus-active-protein/prdx1/48922>