

Datasheet for ABIN5854566

Peroxiredoxin 1 Protein (PRDX1) (AA 1-199) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Peroxiredoxin 1 (PRDX1)
Protein Characteristics:	AA 1-199
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Peroxiredoxin 1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MSSGNAKIGY PAPNFKATAV MPDGQFKDIS LSEYKGKYVV FFFYPLDFTF VCPTEIIAFS DRADEFKCLN CQVIGASVDS HFCHLAWINT PKKQGGLGPM NIPLISDPKR TIAQDYGVLLK ADEGISFRGL FIIDDKGILR QITINDLPVG RSVDEIIRLV QAFQFTDKHG EVCPAGWKPG SDTIKPDVVK SKEYFSKQKL EHHHHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is >2,500 pmol/min/ug. Enzymatic activity is defined as the amount of hydroperoxide that 1ug of enzyme can reduce at 25C for minute.

Target Details

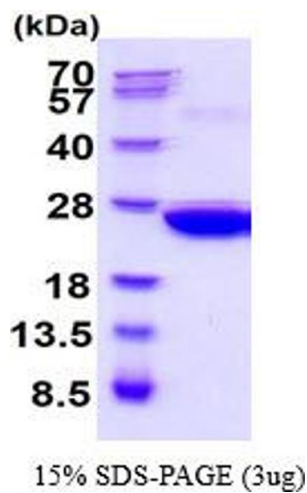
Target:	Peroxiredoxin 1 (PRDX1)
Alternative Name:	Prdx1 (PRDX1 Products)
Background:	Prdx1, also known as peroxiredoxin-1, is an important member of peroxiredoxins (Prdxs) regulating various cellular signaling and differentiation. It confers an aggressive survival phenotype of cancer cells and drug-resistance. 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.
Molecular Weight:	23.2kDa (207aa) 18-28KDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_035164
UniProt:	P35700
Pathways:	p53 Signaling , EGFR Signaling Pathway , CXCR4-mediated Signaling Events

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.