

# Product Datasheet

## Recombinant Mouse Peroxiredoxin 1 His Protein NBP2-52340-10ug

Unit Size: 10 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

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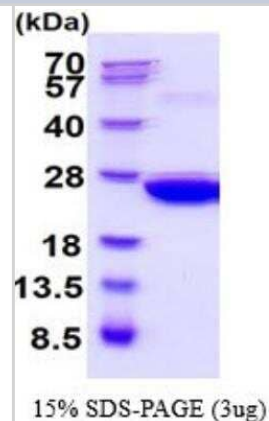
**NBP2-52340-10ug**

## Recombinant Mouse Peroxiredoxin 1 His Protein

Product Information	
Unit Size	10 ug
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>90%, by SDS-PAGE
Buffer	PBS (pH 7.4), 10% glycerol
Target Molecular Weight	23.2 kDa
Product Description	
Description	A bioactive recombinant protein with a C-Terminal His-tag and corresponding to the amino acids 1-199 of Mouse Peroxiredoxin 1  <b>Source:</b> <i>Baculovirus</i>  <b>Amino Acid Sequence:</b> MSSGNAKIGY PPNFKATAV MPDGQFKDIS LSEYKGKYVV FFFYPLDFTF VCPTEIIAFS DRADEFKRLN CQVIGASVDS HFCHLAWINT PKKQGGGLGPM NIPLISDPKR TIAQDYGVLK ADEGISFRGL FIIDDKGILR QITINDLPVG RSVDEIIRLV QAFQFTDKHG EVCPAGWKPG SDTIKPDV NK SKEYFSKQKL EHHHHHHH
Gene ID	5052
Gene Symbol	PRDX1
Species	Mouse
Details of Functionality	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.
Endotoxin Note	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity

**Images**

SDS-Page: Recombinant Mouse Peroxiredoxin 1 Protein [NBP2-52340]



## Publications

Kang JH, Lee HY, Kim NY et al. Extracellular Prdx1 mediates bacterial infection and inflammatory bone diseases Life sciences 2023-11-15 [PMID: 37797684]





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### **Products Related to NBP2-52340-10ug**

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NBC1-18543	Recombinant Human Peroxiredoxin 1 His Protein
NBP1-32822	Nrf2 Antibody
NBP1-82558	Peroxiredoxin 1 Antibody
NBP2-50037	c-Fos Antibody (2H2)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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