

Active Recombinant Mouse Sncg Protein, His-tagged, Bioactivity Validated

Cat. No. Prdx2-237M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sncg(1-198aa) fused with His tag at N-terminal was expressed in E. coli. Bioactivity Validated.
Species	Mouse
Source	E.coli
ProteinLength	1-198aa
Description	Prdx2, also known as peroxiredoxin-2, is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. Prdx2 may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. If Prdx2 protection is inadequate against peroxidases, the resulting protein and DNA damage may result in neurological disease such as Alzheimer's or DNA damage leading to cancer.
Form	Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% Glycerol, 1mM DTT
Bio-activity	Specific activity is > 700 pmol/min/ug, Activity is defined as the amount of hydroperoxide that 1ug of enzyme can reduce at 25C for minute.
Molecular Mass	24.3 kDa (222aa) Confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHTMASGNA QIGKSAPDFT ATAVVDGAFK

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EIKLSDYRGK YVVLFFYPLD FTFVCPTEII AFSDHAEDFR
 KLGCEVLGVS VDSQFTHLAW INTPRKEGGL GPLNIPLLAD VTKSLSQNYG
 VLKNDEGIAY RGLFIIDAKG VLRQITVNDL PVGRSVDEAL
 RLVQAFQYTD EHGEVCPAGW KPGSDTIKPN VDDSKEYFSK HN

Purity > 90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name [Prdx2 peroxiredoxin 2 \[Mus musculus \]](#)

Official Symbol [Prdx2](#)

Synonyms PRDX2; peroxiredoxin 2; peroxiredoxin-2; Prx II-1; Calpromotin; protector protein; thioredoxin reductase; thioredoxin peroxidase 1; Trx dependent peroxide reductase 1; thiol specific antioxidant protein; thiol-specific antioxidant protein; thioredoxin dependent peroxide reductase 1; thioredoxin-dependent peroxide reductase 1; TR; PRP; TPx; TSA; TDX1; NkefB; PrxII; TPx-B; Tdpx1; Torin; Band-8; AL022839;

Gene ID [21672](#)

mRNA Refseq [NM_011563](#)

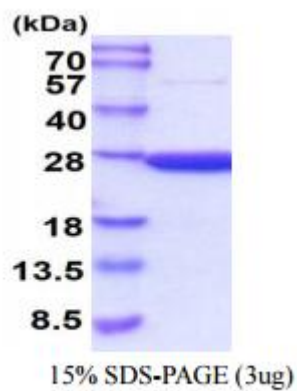
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Protein Refseq NP_035693

UniProt ID Q61171



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