

Recombinant Rat Prdx2 protein, His-tagged

Cat. No. Prdx2-30R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat Prdx2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Rat
Source	E.coli
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 Phosphate Buffered Saline(pH 7.4) containing 10% glycerol 1mM DTT
Molecular Mass	24.3 kDa (222aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHTMASGNA HIGKPAPDFT GTAVVDGAFK EIKLSDYRGK YVVLFFYPLD FTFVCPTEII AFSDHAEDFR KLGCEVLGVS VDSQFTHLAW INTPRKEGGL GPLNIPLLD VTKSLSQNYG VLKNDEGIAY RGLFIIDAKG VLRQITVNDL PVGRSVDEAL RLVQAFQYTD EHGEVCPAGW KPGSDTIKPN VDDSKEYFSK HN
Purity	>90% by SDS - PAGE

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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 [Rattus norvegicus]

Official Symbol Prdx2

Synonyms PRDX2; peroxiredoxin 2;

Gene ID 113897

mRNA Refseq

Protein Refseq

MIM

UniProt ID

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