

## Recombinant Human Peroxiredoxin 2

Cat. No. PRDX2-142H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human Peroxiredoxin 2 protein was expressed in E.coli and purified by using conventional chromatography, 21.8 kDa (198aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-198 aa
<b>Description</b>	Peroxiredoxin 2, also known as PRDX2, is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. Peroxiredoxin 2 may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. If Peroxiredoxin 2 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.
<b>Sequences of amino acids</b>	MASGNARIGK PAPDFKATAV VDGAFKEVKL SDYKGGKYVVL FFYPLDFTFV CPTEIIAFSN RAEDFRKLGK EVLGVSVD SQ FTHLAWINTP RKEGGLGPLN IPLLADVTRR LSEGYGV LKT DEGIAYRGLF IIDGKGVLRQ ITVNDLPVGR SVDEALRLVQ AFQYTDEHGE VCPAGWKPGS DTIKPNVDDS KEYFSKHN
<b>Formulation</b>	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.
<b>Purity</b>	> 95% by SDS - PAGE

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**Concentration** 1 mg/ml (determined by Bradford assay)

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

## GENE INFORMATION

**Gene Name** [peroxiredoxin 2 \[ Homo sapiens \]](#)

**Synonyms** PRDX2; peroxiredoxin 2; PRP; TSA; PRX2; NKEFB; PRXII; TDPX1; MGC4104; torin; thioredoxin peroxidase 1; thiol-specific antioxidant 1; natural killer-enhancing factor B; thioredoxin-dependent peroxide reductase 1; 1.11.1.15; NKEF-B

**Gene ID** [7001](#)

**mRNA Refseq** [NM\\_181737](#)

**Protein Refseq** [NP\\_859427](#)

**MIM** [600538](#)

**UniProt ID** [P32119](#)

**Chromosome Location** 19p13.2

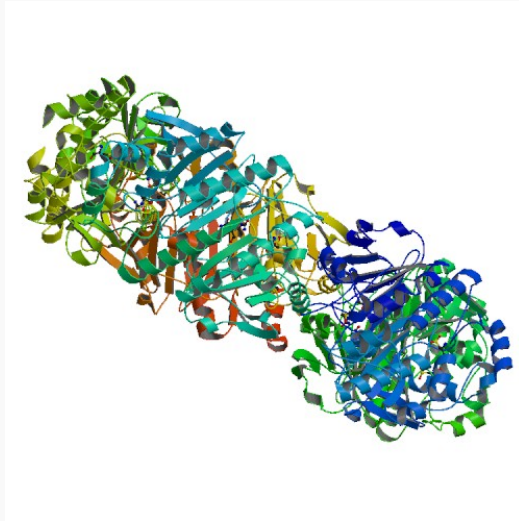
**Function** oxidoreductase activity; thioredoxin peroxidase activity

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