

Human Recombinant PRDX 2

CATALOG #:	6319-100	100 µg
ALTERNATE NAMES:	Peroxiredoxin 2, NKEFB, PRP, PRX2, PRXII, TDPX1, TSA, PRDX2.	
SOURCE:	E.Coli	
PURITY:	> 90% by SDS - PAGE	
MOL. WEIGHT:	21.8 kDa (198 aa – 1-198 aa).	
FORMULATION:	1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.	

STORAGE CONDITIONS:

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.

DESCRIPTION:

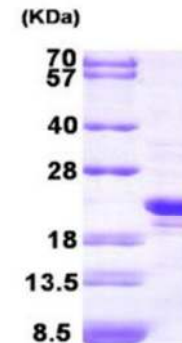
Peroxiredoxin-2 is a protein that in humans is encoded by the PRDX2 gene. This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8 (+) T-cells. It may also have a proliferative effect and play a role in cancer development or progression.

AMINO ACID SEQUENCE:

MASGNARIGK PAPDFKATAV VDGAFKEVKL SDYKGKYVWL FFYPLDFTFV CPTETIAFSN
RAEDFRKLGK EVLGVSVDSQ FTHLAWINTP RKEGGLGPLN IPLLADVTRR LSEDYGVLKT
DEGAIYRGLF IIDGKGVLRQ ITVNDLPVGR SVDEALRLVQ AFQYTDEHGE VCPAGWKPGS
DTIKPNVDDS KEYFSKHN.

BIOLOGICAL ACTIVITY:

Specific activity: approximately 200-230 pmole/min/µg. Enzymatic activity was confirmed by measuring the remaining peroxide after incubation of PRDX2 and peroxide for 20 min at room temperature. Specific activity is defined as the amount of hydroperoxide that 1 µg of enzyme can reduce at 25°C for 1 minute.



15% SDS-PAGE (3ug)

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RELATED PRODUCTS:

- Human Recombinant PRDX 3 (Cat. No. 6320-100)
- Human Recombinant PRDX 5 (Cat. No. 6321-100)
- Human Recombinant PRDX 6 (Cat. No. 6322-100)
- Human Recombinant PRDX 1 (Cat. No. 6323-100)
- Human Recombinant PRDX 4 (Cat. No. 6324-100)
- Human Recombinant Thioredoxin 1 (Cat. No. 6305-100)
- Human Recombinant Thioredoxin 2 (Cat. No. 6318-100)

FOR RESEARCH USE ONLY! Not to be used in humans.