

Datasheet for ABIN6388119

Peroxiredoxin 2 Protein (PRDX2) (AA 1-198) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Peroxiredoxin 2 (PRDX2)
Protein Characteristics:	AA 1-198
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Peroxiredoxin 2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHTMASGNA QIGKSAPDFT ATAVVDGAFK EIKLSDYRGK YVVLFFYPLD FTFVCPTEII AFSDHAEDFR KLGCEVLGVS VDSQFTHLAW INTPRKEGGL GPLNIPLLD VTKSLSQNYG VLKNDEGIAY RGLFIIDAKG VLRQITVNDL PVGRSVDEAL RLVQAFQYTD EHGEVCPAGW KPGSDTIKPN VDDSKEYFSK HN
Purity:	> 90 % by SDS - PAGE
Biological Activity Comment:	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.

Target Details

Target:	Peroxiredoxin 2 (PRDX2)
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Target Details

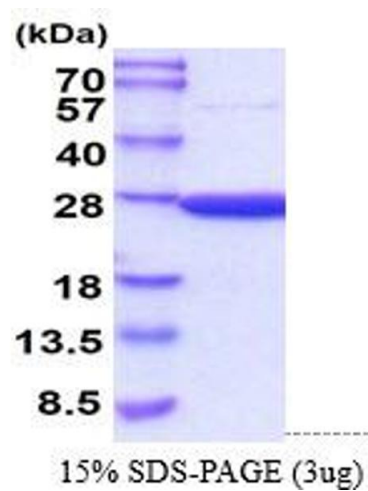
Alternative Name:	Prdx2 (PRDX2 Products)
Background:	<p>Prdx2, also known as peroxiredoxin-2, is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. Prdx2 may play an antioxidant protective role in cells, and may contribute to the antiviral 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. Recombinant mouse Prdx2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.</p>
Molecular Weight:	24.3 kDa (222aa) Confirmed by MALDI-TOF
NCBI Accession:	NP_035693
UniProt:	Q61171

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10 % Glycerol, 1 mM DTT
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.