

Peroxiredoxin 2 (PRDX2) Recombinant Protein | PRDX2 recombinant protein

Recombinant Peroxiredoxin 2 (PRDX2)

CATALOG # AAA134350	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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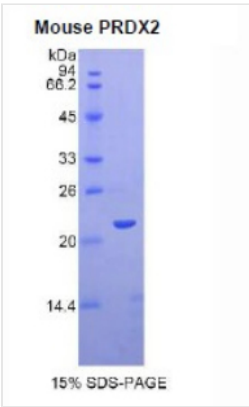
PRODUCT SYNONYMS

Peroxiredoxin 2 (PRDX2); Recombinant Peroxiredoxin 2 (PRDX2); PRDX2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Concentration	Original Concentration: 200 ug/mL (varies by lot)
Applicable Applications for PRDX2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Mus musculus (Mouse)
Source	Prokaryotic expression
Residues	Ala6~Tyr164
Tags	N-terminal His-Tag
Subcellular Location	Cytoplasm
Endotoxin Level	<1.0EU per 1 ug (determined by the LAL method).
Traits	Freeze-dried powder
Buffer formulation	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 0.01% sarcosyl, 5%Trehalose.
Predicted isoelectric point	6.0
Predicted Molecular Mass	18.8kDa
Accurate Molecular Mass	18kDa as determined by SDS-PAGE reducing conditions.
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	148747558
NCBI GeneID	21672
NCBI Accession #	NP_035693.3
NCBI GenBank Nucleotide #	NM_011563.5
UniProt Accession #	Q61171; O88376; Q60796; Q9CWJ4; Q9DB49
NCBI Official Full Name	peroxiredoxin-2
NCBI Official Synonym Full Names	peroxiredoxin 2
NCBI Official Symbol	Prdx2
NCBI Official Synonym Symbols	TR; PRP; TPx; TSA; TDX1; NkefB; PrxII; TPx-B; Tdpx1; Torin; Band-8; AL022839
NCBI Protein Information	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
UniProt Protein Name	Peroxiredoxin-2
UniProt Gene Name	Prdx2
UniProt Synonym Gene Names	Tdpx1; Tpx; TSA
UniProt Entry Name	PRDX2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/prdx2-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134350>