

Peroxiredoxin 2 (PRDX2) Recombinant Protein | PRDX2 recombinant protein

Recombinant Peroxiredoxin 2 (PRDX2)

CATALOG # AAA134308	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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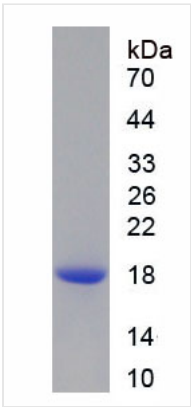
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 97%
Form/Format	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	ARIGKPAPDF KATAVVDGAF KEVKLSDYKG KYVVLFFYPL DFTFVCPTTEI IAFSNRAEDF RKLGCCEVLGV SVDSQFTHLA WINTPRKEGG LGPLNIPLLA DVTRRLSEDY GVLKTDEGIA YRGLFIIDGK GVLQRQITVND LPVGRSVDEA LRLVQAFQY
Applicable Applications for PRDX2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ala6~Tyr164
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	6.7
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 degree C for one month. Aliquot and store at -80 degree 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 degree 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 #	32189392
NCBI GeneID	7001
NCBI Accession #	NP_005800.3
NCBI GenBank Nucleotide #	NM_005809.5
UniProt Accession #	P32119; P31945; P32118; P35701; Q6FHG4; Q92763; Q9UC23; A8K0C0
Molecular Weight	Predicted Molecular Mass: 18.8kDa Accurate Molecular Mass: 18kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	peroxiredoxin-2
NCBI Official Synonym Full Names	peroxiredoxin 2
NCBI Official Symbol	PRDX2
NCBI Official Synonym Symbols	PRP; TSA; PRX2; PTX1; TPX1; NKEFB; PRXII; TDPX1; NKEF-B; HEL-S-2a
NCBI Protein Information	peroxiredoxin-2; torin; thioredoxin peroxidase 1; thiol-specific antioxidant 1; natural killer cell-enhancing factor B; thioredoxin-dependent peroxide reductase 1; epididymis secretory sperm binding protein Li 2a
UniProt Protein Name	Peroxiredoxin-2
UniProt Gene Name	PRDX2
UniProt Synonym Gene Names	NKEFB; TDPX1; NKEF-B; TSA
UniProt Entry Name	PRDX2_HUMAN

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/134308>