

Peroxiredoxin-1 (PRDX1) Recombinant Protein | PRDX1 recombinant protein

Recombinant Cricetulus griseus Peroxiredoxin-1 (PRDX1)

CATALOG # AAA117682	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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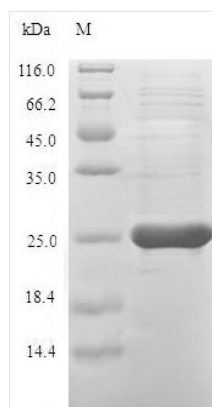
PRODUCT SYNONYMS

Peroxiredoxin-1 (PRDX1); Recombinant Cricetulus griseus Peroxiredoxin-1 (PRDX1); Peroxiredoxin-1; EC=1.11.1.15; Thioredoxin peroxidase 2; TPX-2; PRDX1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-199aa; Full Length of Mature Protein
Sequence	SSGNAKIGYP APNFKATAVM PDGQFRDCL SEYRGKYVVF FFYPLDFTFV CPTETIAFSD RAEFEKLLNC QVIGASVDSH FCHLAWINTP KKQGGLGPMN IPLVSDPKRT IAQDYGVLKA DEGISFRGLF IIDDKGILRQ ITINDLPVGR SVDEILRLVQ AFQFTDKHGE VCPAGWKPGS DTIKPDVQKS KEYFSKQK
Species	Cricetulus griseus (Chinese hamster) (Cricetulus barabensis griseus)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PRDX1 recombinant protein	Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system but not from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H2O2 (By similarity). Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation (By similarity).
Product Categories/Family for PRDX1 recombinant protein	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	350537945
NCBI GeneID	100689332
NCBI Accession #	NP_001233694.1
NCBI GenBank Nucleotide #	NM_001246765.1
UniProt Accession #	Q9JKY1
Molecular Weight	24.2 kDa
NCBI Official Full Name	peroxiredoxin-1
NCBI Official Symbol	Prdx1
NCBI Official Synonym Symbols	TDPX2; TPX-2
NCBI Protein Information	peroxiredoxin-1; Thioredoxin peroxidase 2; thioredoxin peroxidase II
UniProt Protein Name	Peroxiredoxin-1
UniProt Gene Name	PRDX1
UniProt Synonym Gene Names	TDPX2; TPX-2
UniProt Entry Name	PRDX1_CRIGR

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.