

Peroxiredoxin 4 (PRDX4) Recombinant Protein | PRDX4 recombinant protein

Recombinant Peroxiredoxin 4 (PRDX4)

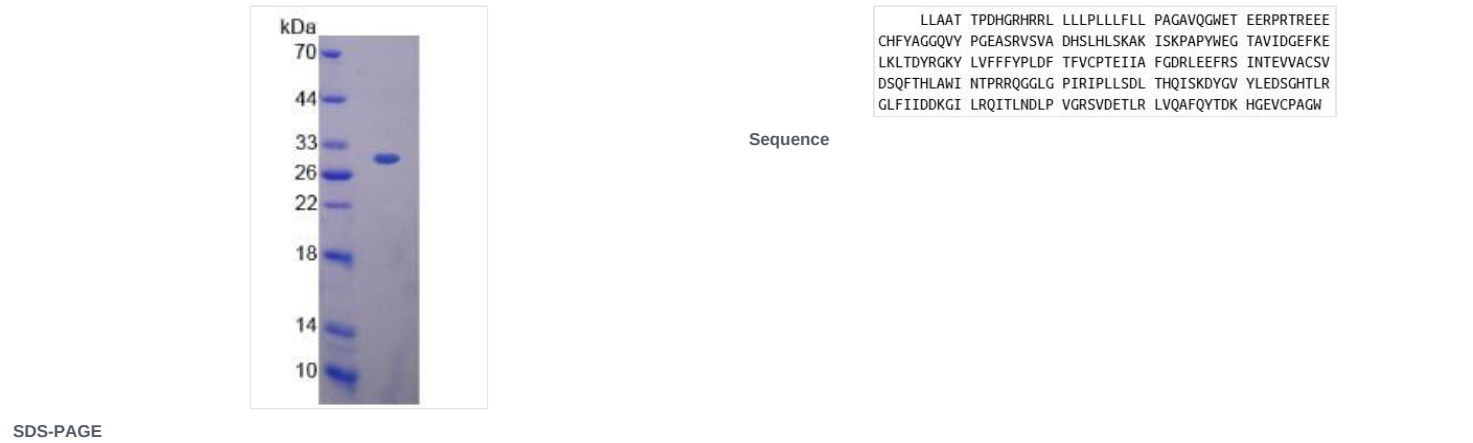
CATALOG # AAA134303	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Peroxiredoxin 4 (PRDX4); Recombinant Peroxiredoxin 4 (PRDX4); PRDX4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithN-t erminaiHis -Tag,itsse quenceisli stedbelow. MGHHHH HHS GS-LLAA TTPDHGRHRR LLLLPLLLFL LPAGAVQGWE TEERPRTREE ECHFYAGGQV YPGEASRVSV ADHSLHLSKA KISKAPYWE GTAVIDGEFK ELKLT DYRGK YLVFFFYPLD FTFVCPTEII AFGDRLEEFR SINTEVVACS VDSQFTHLAW INTPRRQGGL GPIRIPLSD LTHQISKDYG VYLED SGHTL RGLFIIDDKG ILRQITLNDL PVGRSVDETL RLVQAFQYTD KHGEVCPAGW
Sequence Length	271
Applicable Applications for PRDX4 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Leu6~Trp249 (Accession # Q13162) with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and 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 of the targetprotein. 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 andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



NCBI AND UNIPROT INFORMATION

NCBI GI #	5453549
NCBI GeneID	10549
NCBI Accession #	NP_006397.1
NCBI GenBank Nucleotide #	NM_006406.1
UniProt Accession #	Q13162; Q6FHT3
Molecular Weight	28.9kDa
NCBI Official Full Name	peroxiredoxin-4
NCBI Official Synonym Full Names	peroxiredoxin 4
NCBI Official Symbol	PRDX4
NCBI Official Synonym Symbols	PRX-4; AOE37-2; HEL-S-97n
NCBI Protein Information	peroxiredoxin-4; prx-IV; peroxiredoxin IV; antioxidant enzyme AOE372; thioredoxin peroxidase AO372; thioredoxin peroxidase (antioxidant enzyme); thioredoxin-dependent peroxide reductase A0372; epididymis secretory sperm binding protein Li 97n
UniProt Protein Name	Peroxiredoxin-4
UniProt Gene Name	PRDX4
UniProt Synonym Gene Names	AOE37-2; Prx-IV
UniProt Entry Name	PRDX4_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.