

Recombinant Human PRDX4 Protein, His-tagged

Cat. No. PRDX4-322H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRDX4(Leu6~Trp249) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu6~Trp249
Description	The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	28.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 92%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein.

Stability

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 centigrade 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.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

PRDX4 peroxiredoxin 4 [Homo sapiens]

Official Symbol

PRDX4

Synonyms

PRDX4; peroxiredoxin 4; peroxiredoxin-4; AOE37 2; prx-IV; peroxiredoxin IV; antioxidant enzyme AOE372; thioredoxin peroxidase A0372; thioredoxin peroxidase (antioxidant enzyme); thioredoxin-dependent peroxide reductase A0372; PRX-4; AOE37-2;

Gene ID

10549

mRNA Refseq

NM_006406

Protein Refseq

NP_006397

MIM

606506

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UniProt ID

Q13162

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