

Recombinant Human PRDX4 Protein (Leu6-Trp249), His tagged

Cat. No. PRDX4-5554H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PRDX4 (Leu6-Trp249) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu6-Trp249
Description	Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.
Form	Lyophilized powder/frozen liquid
Molecular Mass	28.18 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the

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	date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	PRDX4 peroxiredoxin 4 [Homo sapiens (human)]
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
UniProt ID	Q13162

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