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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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 AO372; 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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