

Recombinant Human PRDX3 Protein (Val5-Trp233), His tagged

Cat. No. PRDX3-5577H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PRDX3 (Val5-Trp233) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val5-Trp233
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. Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.
Form	Lyophilized powder/frozen liquid
Molecular Mass	25.96 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 date of receipt.

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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	PRDX3 peroxiredoxin 3 [Homo sapiens (human)]
Official Symbol	PRDX3
Synonyms	PRDX3; peroxiredoxin 3; antioxidant protein 1, AOP1; thioredoxin-dependent peroxide reductase, mitochondrial; AOP 1; MER5; SP 22; peroxiredoxin-3; peroxiredoxin III; protein MER5 homolog; antioxidant protein 1; AOP1; AOP-1; SP-22; HBC189; PRO1748; prx-III; MGC24293; MGC104387;
Gene ID	10935
mRNA Refseq	NM_006793
Protein Refseq	NP_006784
MIM	604769
UniProt ID	P30048

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