

Recombinant Human Peroxiredoxin-3/PRDX3 Protein

Catalog Number:PKSH032882



Note: Centrifuge before opening to ensure complete recovery of vial contents.

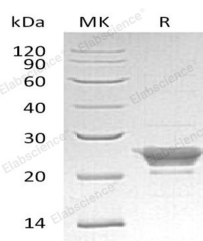
Description

Synonyms	Thioredoxin-Dependent Peroxide Reductase Mitochondrial;Antioxidant Protein 1;AOP-1;HBC189;Peroxiredoxin III;Prx-III;Peroxiredoxin-3;Protein MER5 homolog;PRDX3;AOP1
Species	Human
Expression Host	E.coli
Sequence	Pro63-Gln256
Accession	P30048
Calculated Molecular Weight	21.6 kDa
Observed molecular weight	25 kDa
Tag	None

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Thioredoxin-Dependent Peroxide Reductase Mitochondrial (PRDX3) is an enzyme that belongs to the AhpC/TSA family. Human and mouse PRDX3 genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Human PRDX3 protein has an antioxidant function and is localized in the mitochondrion. PRDX3 is involved in redox regulation of the cell. PRDX3 protects radical-sensitive enzymes from oxidative damage by a radical-generating system. It acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

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