

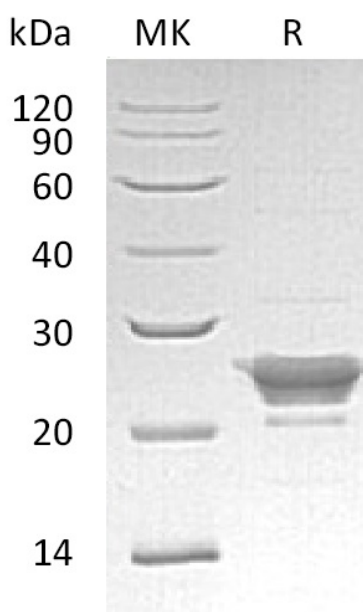
Product Name: Recombinant Human PRDX3
Catalog #: PEH1361



Summary

Name	PRDX3
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Peroxiredoxin-3 is produced by our E.coli expression system and the target gene encoding Pro63-Gln256 is expressed.
Accession #	P30048
Host	E.coli
Species	Human
Predicted Molecular Mass	21.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

Thioredoxin-Dependent Peroxide Reductase Mitochondrial; Antioxidant Protein 1; AOP-1; HBC189; Peroxiredoxin III; Prx-III; Peroxiredoxin-3; Protein MER5 homolog; PRDX3; AOP1

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.

Note

For Research Use Only , Not for Diagnostic Use.