

Recombinant Human PRDX4 Protein

Catalog No.: RP03163LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	10549	Q13162

Tags

N-His

Synonyms

Peroxiredoxin-4; Antioxidant Enzyme AOE372; AOE37-2; Peroxiredoxin IV; Prx-IV; Thioredoxin Peroxidase A0372; Thioredoxin-Dependent Peroxide Reductase A0372; PRDX4

Product Information

Source	Purification
E.coli	> 95% by SDS-PAGE.

Calculated MW	Observed MW
28.9 KDa	30 KDa

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.22 μm filtered solution in PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Background

Peroxiredoxin-4 (PRDX4) is a member of the AhpC/TSA family. PRDX4 is a cytoplasmic protein and contains one thioredoxin domain. PRDX4 exists in homodimer or heterodimer with PRDX1. PRDX4 reduces hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. In addition, PRDX4 is probably involved in redox regulation of the cell, regulating the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.

Basic Information

Description

Recombinant Human PRDX4 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Trp38-Asn271) of human PRDX4 (Accession #Q13162) fused with His tag at the N-terminus.

Bio-Activity

Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

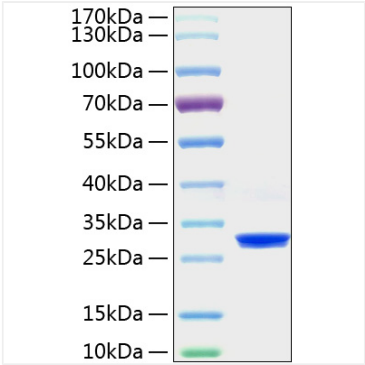
Contact

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Validation Data



Recombinant Human PRDX4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.