Recombinant Human PRDX4 Protein

Catalog No.: RP03163LQ

www.abclonal.com

Sequence Information

Species
Human

Gene ID
10549

Swiss Prot
Q13162

Tags
N-His

Synonyms
Peroxiredoxin-4; Antioxidant Enzyme AOE372; AOE37-2; Peroxiredoxin IV; Prx-IV; Thioredoxin Peroxidase AO372; Thioredoxin-Dependent Peroxide Reductase A0372; PRDX4

Product Information

Source
E.coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
28.9 KDa

Observed MW
30 KDa

Endotoxin
< 1 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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

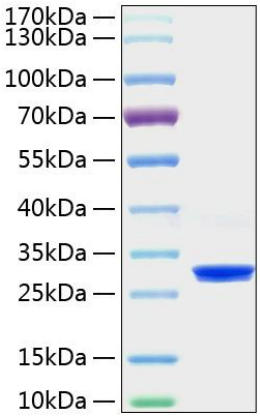
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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