

Recombinant Human Peroxiredoxin-4/PRDX4 Protein (His Tag)

Catalog Number: PKSH032884



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

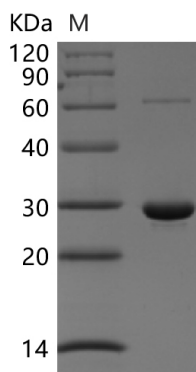
Description

Species	Human
Mol_Mass	28.9 kDa
Accession	Q13162
Bio-activity	Not validated for activity

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 $< -20^{\circ}\text{C}$, 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 $< -20^{\circ}\text{C}$.
Formulation	Supplied as a $0.2\ \mu\text{m}$ filtered solution of PBS, pH7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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