Recombinant Human GPX4 Protein

Catalog No.: RP02834

Sequence Information

Species
Human

Gene ID
2879

Swiss Prot
P36969

Tags
N-His

Synonyms
MCSP; SMDS; GPx-4; PHGPx; snGPx; GSHPx-4; snPHGPx;GPX4

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
20.59 kDa

Observed MW
20-25 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of 150MM NaCl, 50mM Tris, pH 8.0.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Basic Information

Description
Recombinant Human GPX4 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Gly26-Phe197,U73C) of human GPX4 (Accession #NP_002076.2) fused with a 6×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 -20℃

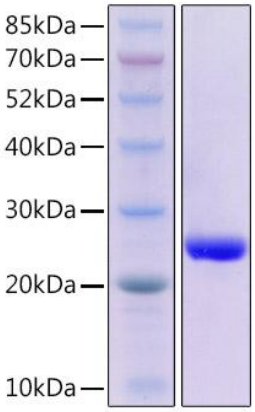
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human GPX4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.