

Recombinant Human GPX4 Protein

Catalog No.: RP02834 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2879	P36969

Tags

N-His

Synonyms

MCSF; SMDS; GPx-4; PHGPx; snGPx;
GSHPx-4; snPHGPx; GPX4

Product Information

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

Calculated MW	Observed MW
20.59 kDa	20-25 kDa

Endotoxin

<1EU/μg

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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.

Bio-Activity

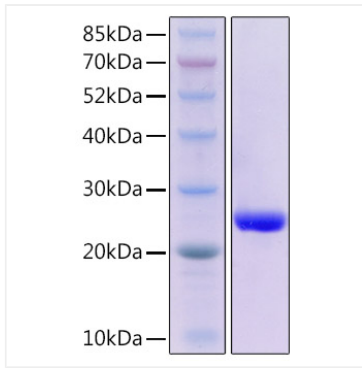
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human GPX4 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 22 kDa.