

# Recombinant Human GPX4 Protein

Catalog No.: RP02834 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	2879	P36969

### Tags

N-His

### Synonyms

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

## Product Information

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

### 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.

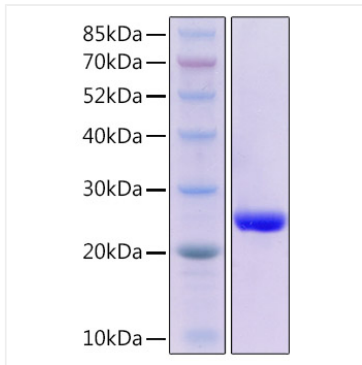
#### Bio-Activity

#### Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. 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

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