

RP03539

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Recombinant Human Glutaredoxin 1/GRX1 Protein

Catalog No.: RP03539

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
<i>E. coli</i>	2745	P35754

Tags

N-His

Synonyms

GLRX; GRX , Glutaredoxin-1;
Thioltransferase-1; TTase-1

Product Information

Source

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.

Purification

≥ 85 % as determined by SDS-PAGE.

Endotoxin

Please contact us for more information.

Formulation

Lyophilized from sterile 50mM Tris, 10% Glycerol, 1mM DTT, pH 8.0. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants

Background

Glutaredoxin 1/GRX1, belongs to the glutaredoxin family. Glutaredoxins are small redox enzymes that use glutathione as a cofactor. Glutaredoxins are oxidized by substrates, and reduced non-enzymatically by glutathione. Glutaredoxin-1 functions as an electron carrier in the glutathione-dependent synthesis of deoxyribonucleotides by the enzyme ribonucleotide reductase. Glutaredoxin-1 exists in either a reduced or an oxidized form. Glutaredoxins function as electron carriers in the glutathione-dependent synthesis of deoxyribonucleotides by the enzyme ribonucleotide reductase.

Basic Information

Description

Recombinant Human Glutaredoxin 1/GRX1 Protein is produced by *E. coli* cells expression system. The target protein is expressed with sequence (Met1-Gln106) of Human Glutaredoxin 1/GRX1 (Accession # P35754) fused with His tag at the N-terminus.

Bio-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.

Operational Notes

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

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

before lyophilization.

Reconstitution

Centrifuge the vial before opening.

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

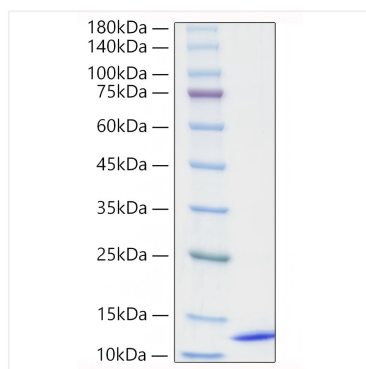
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Contact



www.abclonal.com

Validation Data



Recombinant Human Glutaredoxin 1/GRX1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.