Recombinant human Glutaredoxin 5/GLRX5 protein

Catalog Number: ATGP0544

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-157aa

UniProt No.
Q86SX6

NCBI Accession No.
NP_057501

Alternative Names
Glutaredoxin-related protein 5 mitochondrial, Monothiol glutaredoxin-5, Glutaredoxin 5 homolog, GLRX5, C14orf87, PR01238, GRX5

PRODUCT SPECIFICATION

Molecular Weight
18.8 kDa (177aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
GLRX5 is small redox enzymes of approximately one hundred amino-acid residues which uses glutathione as a cofactor. This protein is oxidized by substrates, and reduced non-enzymatically by glutathione. It is involved in the biogenesis of iron-sulfur clusters, which are required for normal iron homeostasis. Recombinant human GLRX5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

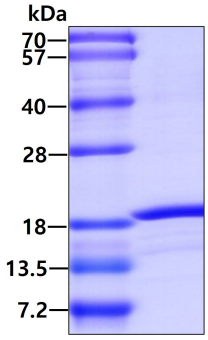
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General References

Holmgren A., et al. (1988) FEMS Microbiol. Rev. 4 (4): 271-297.
Holmgren A., et al. (1988) Biochem. Soc. Trans. 16 (2): 95-96.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.