

GLRX5, 1-157aa, Human, His tag, E.coli

Cat.NO.: TP02258

3th Edition

Synonyms: Glutaredoxin-related protein 5, mitochondrial, C14orf87, GRX5

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.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl

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

Sequences:

MGSSHHHHHSSGLVPRGSHMSGSLGRAAAALLRWGRGAGGGGLWGPGVRAAGSGAGGGGSAEQLDALVKK
DKVVVFLKGTPEQPQCGFSNAVQILRLHGVRDYAAYNVLDDPELRQGIKDYSNWPTIPQVYLNGEFVGGCDILLQ
MHQNGDLVEELKKLGIHSALLDEKKDQDSK

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.