

Recombinant Human Glutaredoxin 5, His-tagged

Cat. No. GLRX5-2398H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GLRX5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 18.8 kDa (177aa).
Species	Human
Source	E.coli
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl.
Purity	> 85% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHH SSGLVPRGSH MSGSLGRAAA ALLRWGRGAG GGGLWGPQVVR AAGSGAGGGG SAEQLDALVK KDKVVVFLKG TPEQPQCGFS NAVVQILRLH GVRDYAAYNV LDDPELRQGI KDYSNWPTIP QVYLNGEFVG GCDILLQMHQ NGDLVEELKK LGIHSALLDE KKDQDSK.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

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store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	GLRX5 glutaredoxin 5 [Homo sapiens]
Synonyms	glutaredoxin 5; GRX5; FLB4739; PR01238; PRO1238; C14orf87; MGC14129; GLRX5; glutaredoxin-related protein 5, mitochondrial; glutaredoxin 5 homolog; monothiol glutaredoxin-5; chromosome 14 open reading frame 87
Gene ID	51218
mRNA Refseq	NM_016417
Protein Refseq	NP_057501
MIM	609588
UniProt ID	monothiol glutaredoxin-5
Chromosome Location	14q32.13
Function	protein disulfide oxidoreductase activity; electron carrier activity

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