

Recombinant Human GLRX5 protein, GST-tagged

Cat. No. GLRX5-4633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GLRX5 protein(1-157 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-157 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MSGSLGRAAAALLRWGRGAGGGGLWGPGVRAAGSGAGGGGSAEQLDALVKKDK VVVFLKGTPEQPQCGFSNAVQILRLHGVRDYAAYNVLDDPELRQGDKDYSNWPTIP QVYLNGEFVGCDILLQMHQNGDLVEELKKLGIHSTLLDEKKDQDSK
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name GLRX5 glutaredoxin 5 [Homo sapiens]

Official Symbol GLRX5

Synonyms

GLRX5; glutaredoxin 5; C14orf87, chromosome 14 open reading frame 87 , glutaredoxin 5 homolog (S. cerevisiae); glutaredoxin-related protein 5, mitochondrial; GRX5; PR01238; glutaredoxin 5 homolog; monothiol glutaredoxin-5; FLB4739; PRO1238; C14orf87; MGC14129;

Gene ID 51218

mRNA Refseq NM_016417

Protein Refseq NP_057501

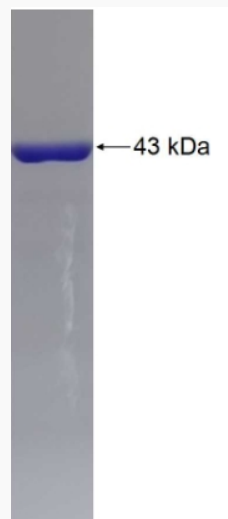
MIM 609588

UniProt ID Q86SX6

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SDS-PAGE

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