

Recombinant Human GLRX Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GLRX-4206H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GLRX MS Standard C13 and N15-labeled recombinant protein (NP_002055) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the glutaredoxin family. The encoded protein is a cytoplasmic enzyme catalyzing the reversible reduction of glutathione-protein mixed disulfides. This enzyme highly contributes to the antioxidant defense system. It is crucial for several signalling pathways by controlling the S-glutathionylation status of signalling mediators. It is involved in beta-amyloid toxicity and Alzheimer's disease. Multiple alternatively spliced transcript variants encoding the same protein have been identified.
Molecular Mass	11.6 kDa
AA Sequence	MAQEFVNCKIQPGKVVFIFKPTCPYCRRAEILSQLPIKQGLLEFVDITATNHTNEIQD YLQQLTGARTVPRVFIGKDCIGGCSDLVSLQQSGELLTRLKQIGALQTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GLRX glutaredoxin [Homo sapiens (human)]

Official Symbol GLRX

Synonyms GLRX; glutaredoxin (thioltransferase); glutaredoxin-1; GRX; GRX1; TTase-1; thioltransferase-1; FLJ43648; MGC117407;

Gene ID 2745

mRNA Refseq NM_002064

Protein Refseq NP_002055

MIM 600443

UniProt ID P35754

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SDS-PAGE

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