

Recombinant Human GLRX2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GLRX2-5547H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GLRX2 MS Standard C13 and N15-labeled recombinant protein (NP_057150) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the glutaredoxin family of proteins, which maintain cellular thiol homeostasis. These proteins are thiol-disulfide oxidoreductases that use a glutathione-binding site and one or two active cysteines in their active site. This gene undergoes alternative splicing to produce multiple isoforms, one of which is ubiquitously expressed and localizes to mitochondria, where it functions in mitochondrial redox homeostasis and is important for the protection against and recovery from oxidative stress. Other isoforms, which have more restrictive expression patterns, show cytosolic and nuclear localization, and are thought to function in cellular differentiation and transformation, possibly with a role in tumor progression.
Molecular Mass	18.5 kDa
AA Sequence	MNPRDKQVSRFSPLKDVYTWVALAGIQRSGSPGRTRSAARRMESNTSSSLENLAT APVNQIQETISDNCVVIFSKTSCSYCTMAKKLFHDMNVNYKVVVELDLLEYGNQFQDA LYKMTGERTVPRIFVNGTFIGGATDTHRLHKEGKLLPLVHQCYLKKSQRKEFQTRTR

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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 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.

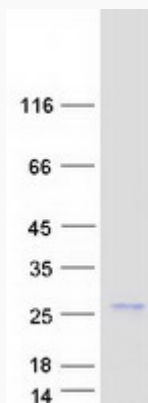
GENE INFORMATION

Gene Name	GLRX2 glutaredoxin 2 [Homo sapiens (human)]
Official Symbol	GLRX2
Synonyms	GLRX2; glutaredoxin 2; bA101E13.1; bA101E13.1 (GRX2 glutaredoxin (thioltransferase) 2); GRX2; CGI-133;
Gene ID	51022
mRNA Refseq	NM_016066
Protein Refseq	NP_057150
MIM	606820
UniProt ID	Q9NS18

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SDS-PAGE

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