

Recombinant Human GLRX2, GST-tagged

Cat. No. GLRX2-13312H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GLRX2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	16-164a.a.
Description	The protein encoded by this gene catalyzes the formation of 5-oxoproline from gamma-glutamyl dipeptides, the penultimate step in glutathione catabolism, and may play a critical role in glutathione homeostasis. The encoded protein may also play a role in cell proliferation, and the expression of this gene is a potential marker for cancer. Pseudogenes of this gene are located on the long arm of chromosome 5 and the short arm of chromosomes 2 and 20. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	GLRX2 glutaredoxin 2 [Homo sapiens]
Official Symbol	GLRX2
Synonyms	GLRX2; glutaredoxin 2; bA101E13.1; bA101E13.1 (GRX2 glutaredoxin (thioltransferase) 2); GRX2; CGI-133;
Gene ID	51022
mRNA Refseq	NM_001243399
Protein Refseq	NP_001230328
MIM	606820
UniProt ID	Q9NS18
Chromosome Location	1p31.2-q31.3
Function	2 iron, 2 sulfur cluster binding; arsenate reductase (glutaredoxin) activity; electron carrier activity; glutathione disulfide oxidoreductase activity; metal ion binding; protein disulfide oxidoreductase activity;

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