

## 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<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Gene Name</b>	GLRX2 glutaredoxin 2 [ Homo sapiens ]
<b>Official Symbol</b>	GLRX2
<b>Synonyms</b>	GLRX2; glutaredoxin 2; bA101E13.1; bA101E13.1 (GRX2 glutaredoxin (thioltransferase) 2); GRX2; CGI-133;
<b>Gene ID</b>	51022
<b>mRNA Refseq</b>	NM_001243399
<b>Protein Refseq</b>	NP_001230328
<b>MIM</b>	606820
<b>UniProt ID</b>	Q9NS18
<b>Chromosome Location</b>	1p31.2-q31.3
<b>Function</b>	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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