

## Active Recombinant Human GLRX2 protein

Cat. No. GLRX2-19H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GLRX2 protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Form</b>	Supplied as a solution in 10 mM MES buffer, pH 6.5, 1 mM EDTA, 1 mM DTT, and 100 mM NaCl.
<b>Bio-activity</b>	> 20 units/mg protein
<b>Purity</b>	> 90% (SDS-PAGE)
<b>Unit Definition</b>	1 unit oxidizes 1 $\mu$ mole of NADPH per minute at pH 8 at 25 centigrade in a coupled reaction with glutathione reductase.
<b>Notes</b>	The product is the mature form of GRX2a, i.e. does not contain the mitochondria localization signal.
<b>Storage</b>	-20 centigrade

### GENE INFORMATION

<b>Gene Name</b>	GLRX2 glutaredoxin 2 [ Homo sapiens ]
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<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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