Active Recombinant Human GLRX2 protein

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

SPECIFICATION

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

GENE INFORMATION

Gene Name	GLRX2 glutaredoxin 2 [Homo sapiens]

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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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