Recombinant Human GLRX

Cat. No. GLRX-78H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	This gene encodes a member of the glutaredoxin family. The encoded protein is a cytoplasmic enzyme catalyzing the reversible reduction of glutathione-protein mixed disulfides. This enzyme highly contributes to the antioxidant defense system. It is crucial for several signalling pathways by controlling the S-glutathionylation status of signalling mediators. It is involved in beta-amyloid toxicity and Alzheimer's disease. Multiple alternatively spliced transcript variants encoding the same protein have been identified.
Form	Lyophilized from 50 mM potassium phosphate, 0.1 mM EDTA, and 80 mM sodium chloride, pH 6.8
Bio-activity	240 Units/ mg
Stability	6 months
Storage	4 centigrade
Concentration	Concentration of glutaredoxin before lyophilization was 15.6 mg/ml
Reconstitution	Reconstitute with water or buffer (300 µwill give 70 µM Grx1).

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	GLRX glutaredoxin (thioltransferase) [Homo sapiens]
Official Symbol	GLRX
Synonyms	GRX; GRX1; glutaredoxin-1; TTase-1; thioltransferase-1
Gene ID	2745
mRNA Refseq	NM_001118890
Protein Refseq	NP_001112362
MIM	600443
UniProt ID	P35754
Chromosome Location	5q14
Pathway	Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; ascorbate recycling (cytosolic), organism-specific biosystem
Function	electron carrier activity; glutathione disulfide oxidoreductase activity; glutathione oxidoreductase activity

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA