

Recombinant Full Length Human GLRX Protein, GST-tagged

Cat. No. GLRX-5346HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GLRX full-length ORF (AAH10965, 1 a.a. - 106 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	106 amino acids
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. [provided by RefSeq, Aug 2011]
Molecular Mass	37.4 kDa
AA Sequence	MAQEFVNCKIQPGKVVVFIKPTCPYCRRAQEILSQLPIKQGLLEFVDITATNHTNEIQD YLQQLTGARTVPRVFIGKDCIGGCSDLVSLQQSGELLTRLKQIGALQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GLRX glutaredoxin (thioltransferase) [Homo sapiens]
Official Symbol	GLRX
Synonyms	GLRX; glutaredoxin (thioltransferase); glutaredoxin-1; GRX; GRX1; TTase-1; thioltransferase-1; FLJ43648; MGC117407;
Gene ID	2745
mRNA Refseq	NM_001118890
Protein Refseq	NP_001112362
MIM	600443
UniProt ID	P35754

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