Recombinant Full Length Human GLRX3 Protein, GST-tagged

Cat. No. GLRX3-5348HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GLRX3 full-length ORF (AAH05289, 1 a.a. - 335 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	335 amino acids
Description	This gene encodes a member of the glutaredoxin family. Glutaredoxins are oxidoreductase enzymes that reduce a variety of substrates using glutathione as a cofactor. The encoded protein binds to and modulates the function of protein kinase C theta. The encoded protein may also inhibit apoptosis and play a role in cellular growth, and the expression of this gene may be a marker for cancer. Pseudogenes of this gene are located on the short arm of chromosomes 6 and 9. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2010]
Molecular Mass	62.59 kDa
AA Sequence	MAAGAAEAAVAAVEEVGSAGQFEELLRLKAKSLLVVHFWAPWAPQCAQMNEVMAE LAKELPQVSFVKLEAEGVPEVSEKYEISSVPTFLFFKNSQKIDRLDGAHAPELTKKVQ RHASSGSFLPSANEHLKEDLNLRLKKLTHAAPCMLFMKGTPQEPRCGFSKQMVEIL HKHNIQFSSFDIFSDEEVRQGLKAYSSWPTYPQLYVSGELIGGLDIIKELEASEELDTI CPKAPKLEERLKVLTNKASVMLFMKGNKQEAKCGFSKQILEILNSTGVEYETFDILED EEVRQGLKAYSNWPTYPQLYVKGELVGGLDIVKELKENGELLPILRGEN

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production 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	GLRX3 glutaredoxin 3 [Homo sapiens]
Official Symbol	GLRX3
Synonyms	GLRX3; glutaredoxin 3; thioredoxin like 2, TXNL2; glutaredoxin-3; bA500G10.4; GLRX4; glutaredoxin 4; GRX3; GRX4; PICOT; PKCq-interacting protein; thioredoxin-like protein 2; PKC-theta-interacting protein; PKC-interacting cousin of thioredoxin; TXNL2; TXNL3; FLJ11864;
Gene ID	10539
mRNA Refseq	NM_001199868
Protein Refseq	NP_001186797
MIM	612754
UniProt ID	O76003

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