

Recombinant Human GLRX3, His-tagged

Cat. No. GLRX3-31637TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TXNL2 with N terminal His tag; 355 amino acids with tag, MWt 39.6kDa.
Species	Human
Source	E.coli
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.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

 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

Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MAAGAAEAAV AAVEEVGSAG QFEELLRLKA
 KSLLVVHFWA PWAPQCAQMN EVMAELAKEL PQVSFVKLEA EGVPEVSEKY
 EISSVPTFLF FKNSQKIDRL DGAHAPELTK KVQRHASSGS FLPSANEHLK
 EDLNLRLKKL THAAPCMLFM KGTPQEPRCG FSKQMVEILH KHNIQFSSFD
 IFSDEEVRQG LKAYSSWPTY PQLYVSGELI GGLDIIKELE ASEELDTICP
 KAPKLEERLK VLTNKASVML FMKGNKQEAQ CGFSKQILEI LNSTGVEYET
 FDILEDDEVR QGLKAYSNWP TYPQLYVKGE LVGGGLDIVKE LKENGELLPI LRGEN

Full Length

Full L.

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;

Gene ID

[10539](#)

mRNA Refseq

[NM_001199868](#)

Protein Refseq

[NP_001186797](#)

MIM

[612754](#)

Uniprot ID

[O76003](#)

Chromosome Location

10q26

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Function

electron carrier activity; iron-sulfur cluster binding; metal ion binding; protein binding;
protein disulfide oxidoreductase activity;

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