

Recombinant Human GLRX3, GST-tagged

Cat. No. GLRX3-13313H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human GLRX3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength C-term-289a.a.

Description This gene encodes an enzyme which catalyzes the posttranslational modification of vitamin K-dependent protein. Many of these vitamin K-dependent proteins are involved in coagulation so the function of the encoded enzyme is essential for hemostasis. Mutations in this gene are associated with vitamin K-dependent coagulation defect and PXE-like disorder with multiple coagulation factor deficiency. Multiple transcript variants encoding different isoforms have been found for this gene.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name [GLRX3 glutaredoxin 3 \[Homo sapiens \]](#)

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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
Chromosome Location	10q26
Function	electron carrier activity; iron-sulfur cluster binding; metal ion binding; protein binding; protein disulfide oxidoreductase activity; protein kinase C binding;

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