

Recombinant Human GLRX3 Protein (Val10-Ser117), His tagged

Cat. No. GLRX3-2902H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GLRX3 (Val10-Ser117) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val10-Ser117
Description	Together with BOLA2, acts as a cytosolic iron-sulfur (Fe-S) cluster assembly factor that facilitates [2Fe-2S] cluster insertion into a subset of cytosolic proteins. Acts as a critical negative regulator of cardiac hypertrophy and a positive inotropic regulator. Required for hemoglobin maturation. Does not possess any thyoredoxin activity since it lacks the conserved motif that is essential for catalytic activity.
Molecular Mass	14.08 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

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Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	GLRX3 glutaredoxin 3 [Homo sapiens (human)]
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