Glutaredoxin-1 (GLRX) Protein

PRODUCT OVERVIEW

Product Name	Glutaredoxin-1 (GLRX), Protein
Full Product Name	Glutaredoxin-1
Product Gene Name	GLRX protein
Product Synonym Names	Glrx1; Grx; Grx1; Thioltransferase-1; TTase-1
Host	E Coli
Form/Format	Liquid
Purity/Purification	>95% by SDS-PAGE
Preparation and Storage	Store at -20 degree C. Avoid repeated freezing and thawing.
Molecular Weight	11,871 Da
3D Structure	ModBase 3D Structure for Q9QUH0
Tags	His
Storage Buffer	50mM NaH2PO4, 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Product Categories/Family for GLRX protein	Signal Transduction
Applications Tested/Suitable for GLRX protein	ELISA (EIA), Western Blot (WB), Affinity Purification (AP), Protein Array
Related Product Information for GLRX protein	MBS2889094 is a protein targeting GLRX. Also known as Glutaredoxin-1. Host: E Coli.
Other Notes	Small volumes of GLRX protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GLRX. It may not necessarily be applicable to this product.

NCBI GI #	31981458
NCBI GeneID	93692
NCBI Accession #	NP_444338.2
UniProt Primary Accession #	Q9QUH0
UniProt Related Accession #	Q9QUH0
GenBank Nucleotide #	NM_053108.4
NCBI Official Full Name	glutaredoxin-1
NCBI Official Synonym Full Names	glutaredoxin
NCBI Official Symbol	Glrx

NCBI Official Synonym Symbols	Grx1; Glrx1; TTase; C86710; D13Wsu156e
UniProt Protein Name	Glutaredoxin-1
UniProt Synonym Protein Names	Thioltransferase-1; TTase-1
Protein Family	Glutaredoxin
UniProt Gene Name	Glrx
UniProt Synonym Gene Names	Glrx1; Grx; Grx1; TTase-1
NCBI Protein Information	glutaredoxin-1
UniProt Comments for GLRX	Has a glutathione-disulfide oxidoreductase activity in the presence of NADPH and glutathione reductase. Reduces low molecular weight disulfides and proteins.
Research Articles on GLRX	**1.** Data suggest an essential role of hepatic Glrx in regulating SirT1, which controls protein glutathione adducts in the pathogenesis of hepatic steatosis.
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