

Glutaredoxin-1 Recombinant Protein | GLRX recombinant protein

Glutaredoxin-1,1-106aa, Human, E Coli

CATALOG # AAA48527	HOST E Coli	APPLICATIONS SDS-Page
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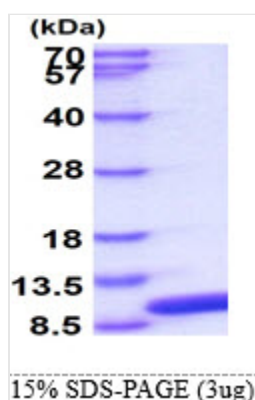
PRODUCT SYNONYMS

Glutaredoxin-1; 1-106aa; Human; E Coli; GLRX; GRX; GRX1; Thioltransferase-1; TTase-1; Glrx1; Glutaredoxin; Glutaredoxin1; Grx 1; MGC117407; Thioltransferase; Thioltransferase 1; Thioltransferase1; Ttase; TTase 1; TTase1.; GLRX recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1 mM DTT 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MAQEFVNCKI QPGKVVVFIK PTCPYCRAQ EILSQLPIKQ GLLEFVDITA TNHTNEIQDY LQQLTGARTV PRVFIGKDCI GGCSDLVSLQ QSGELLTRLK QIGALQ
Sequence Length	106
Applicable Applications for GLRX recombinant protein	SDS-PAGE
Antigen Species	Human
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for GLRX recombinant protein	Description: Glutaredoxin (GRX), also known as thioltransferase, is member of the thiol-disulfide oxidoreductase family. Glutaredoxin catalyzes the reversible reduction of protein-glutathionyl mixed disulfides to free sulfhydryl groups through a monothiol mechanism. Mammalian Glutaredoxin is known to have two isoforms, GRX1 and GRX2. GRX1 is a cytosolic protein, whereas GRX2 is localized both in the mitochondria and nucleus. Glutaredoxin-1 may be involved in various cellular events such as signal transduction, stress response, and metabolic regulation by regulating the redox status of cellular proteins. Recombinant human Glutaredoxin1 protein was expressed in E. coli and purified by using conventional chromatography techniques.
Product Categories/Family for GLRX recombinant protein	Redox Proteins
References	Reynaert NL., et al. (2006) Proc Natl Acad Sci U S A. 103 (35):13086-91.; Kanda M., et al. (2006) J Biol Chem. 281 (39):28518-28.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504025
NCBI GeneID	2745
NCBI Accession #	NP_002055
NCBI GenBank Nucleotide #	NM_002064.2
UniProt Accession #	P35754
Molecular Weight	11.7 kDa (106 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	glutaredoxin-1
NCBI Official Synonym Full Names	glutaredoxin
NCBI Official Symbol	GLRX
NCBI Official Synonym Symbols	GRX; GRX1
NCBI Protein Information	glutaredoxin-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.