

Glutaredoxin-3 Recombinant Protein | GLRX3 recombinant protein

Glutaredoxin-3, 1-335aa, Human, His tag, E Coli

CATALOG # AAA48573	HOST E Coli	APPLICATIONS SDS-Page
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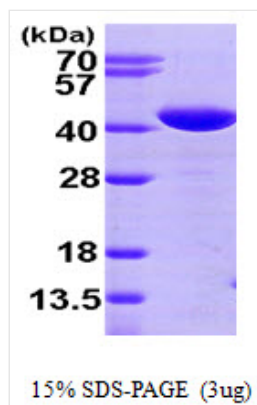
PRODUCT SYNONYMS

Glutaredoxin-3; 1-335aa; Human; His tag; E Coli; Thioredoxin-like protein 2; GLRX3; PICOT; TXNL2; GRX3; glutaredoxin 4; bA500G10.4; GLRX4; GRX4; thioredoxin-like 2; glutaredoxin 3; ; GLRX3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 1mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH 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 FMKGNKQEAK CGFSKQILEI LNSTGVEYET FDILEDEEVR QGLKAYSNWP TYPQLYVKGE LVGGLDIVKE LKENGELLPI LRGEN
Sequence Length	335
Applicable Applications for GLRX3 recombinant protein	SDS-PAGE
Tag Information	His-tag
Preparation and Storage	Can be stored at 2-8°C for one week. For long term storage, aliquot and store at 20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for GLRX3 recombinant protein	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. Glutaredoxin-3 (Grx3/PICOT) is an essential protein involved in the regulation of signal transduction, for instance during immune cell activation and development of cardiac hypertrophy, presumably in response to redox signals. And it has been shown to interact with PRKCQ. Recombinant human Glutaredoxin-3, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for GLRX3 recombinant protein	Redox Proteins
References	Witte S., et al. (2000) J Biol Chem 275 (3): 1902-9.; Haunhorst P., et al. (2010) Biochem Biophys Res Commun. 394 (2):372-6;

NCBI AND UNIPROT INFORMATION

NCBI GI #	95113651
NCBI GeneID	10539
NCBI Accession #	NP_006532
NCBI GenBank Nucleotide #	NM_006541.4
UniProt Accession #	O76003 ; Q5JV01 ; Q96CE0 ; Q9P1B0 ; Q9P1B1 ; B3KMP7 ; B3KMQ5 ; D3DRG2
Molecular Weight	39.6kDa (355aa), confirmed by MALDI-TOF
NCBI Official Full Name	glutaredoxin-3 isoform 1
NCBI Official Synonym Full Names	glutaredoxin 3
NCBI Official Symbol	GLRX3
NCBI Official Synonym Symbols	GRX3; GRX4; GLRX4; PICOT; TXNL2; TXNL3
NCBI Protein Information	glutaredoxin-3
UniProt Protein Name	Glutaredoxin-3
UniProt Gene Name	GLRX3
UniProt Synonym Gene Names	; PKCq-interacting protein

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.

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Online datasheet: <https://stage.aaabiotech.com/glrx3-recombinant-protein-e-coli-sds-page/48573>