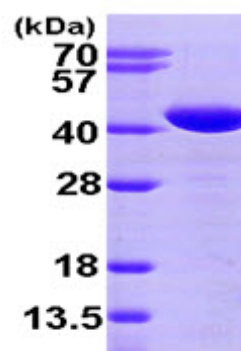


AR09461PU-L

Human Glutaredoxin-3 / GLRX3 (1-335, His-tag) - Purified

Alternate names:	GRX3, HUSSY-22, PICOT, PKC-interacting cousin of thioredoxin, PKC-theta-interacting protein, TXNL2, Thioredoxin-like protein 2
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	Glutaredoxin (GRX) 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. It has been shown to interact with PRKCG.
Uniprot ID:	076003
NCBI:	NP_006532
GeneID:	10539
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Description:	Recombinant human Glutaredoxin-3, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA 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 FMKGNKQEAQ CGFSKQILEI LNSTGVEYET FDILEDEEVR QGLKAYSNWP TYPQLYVKG E LVGGLDIVKE LKENGELLPI LRGEN Molecular weight: 39.6 (355 aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	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.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human Glutaredoxin-3,
1-335 aa, His-tagged: 15% SDS-PAGE (3
ug)

