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32-2368: GLRX3 Recombinant Protein

Alternative Name :	Glutaredoxin-3,Thioredoxin-like protein 2,PKC-interacting cousin of thioredoxin, PKC-theta-interacting protein,PKCq-interacting protein,GLRX3,PICOT,TXNL2,GRX3,GRX4,GLRX4,TXNL3,FLJ11864,bA500G10.4.

Description

Source : Escherichia Coli. GLRX3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 355 amino acids (1-335 a.a.) and having a molecular mass of 39.6kDa. GLRX3 is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques. Glutaredoxin belongs to the thiol-disulfide oxidoreductase family. Glutraredoxins catalyze the reversible reduction of protein-glutathionyl mixed disulfides to free sulfhydryl groups though a monothiol mechanism. Glutaredoxin-3 (GRX3) is an important protein involved in the regulation of signal transduction, for example during immune cell activation and development of cardiac hypertrophy, apparently in response to redox signals. GRX3 interacts with PRKCQ. GRX3 may have a role in the regulation the function of the thioredoxin system. GRX3 is expressed in the heart, spleen, testis and, to a lower extent, in the thymus and peripheral blood leukocytes. GRX3 is weakly expressed in lung, placenta, colon and small intestine.

Product Info

Amount :	25 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	GLRX3 solution containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH 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.

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