

32-2398: GRXB Recombinant Protein

Alternative Name : Glutaredoxin-2, Grx2, grxB, b1064, JW1051.

Description

Source : Escherichia Coli. GRXB produced in E.Coli is a single, non-glycosylated polypeptide chain containing 235 amino acids (1-215 a.a.) and having a molecular mass of 26.5kDa. GRXB is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Glutaredoxin-2 (GrxB) is a member of the glutaredoxin family. Glutaredoxins are small redox enzymes of approximately 100 amino-acid residues which use glutathione as a cofactor. Glutaredoxins are oxidized by substrates, and reduced non-enzymatically by glutathione. GrxB is involved in reducing some disulfides in a coupled system with glutathione reductase. GrxB doesn't act as hydrogen donor for ribonucleotide reductase.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	GRXB protein solution (1mg/ml) 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 50mM NaCl.
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 SGLVPRGSH MKLYIYDHCP YCLKARMIFG LKNIPVELHV LLNDDAETPT RMVGQKQVPI LQKDDSRYP ESMDIVHYVD KLDGKPLL TG KRSPAIEEWL RKVNGYANKL LLPRFAKSAF DEFSTPAARK YFVDKKEASA GNFADLLAHS DGLIKNISDD LRALDKLIVK PNAVNGELSE DDIQLFPLLR NLTLVAGINW PSRVADYRDN MAKQTQINLL SSMAI.

