Recombinant E.coli GrxB, His-tagged

Cat. No. grxB-986E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E.coligrxB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques(1-215aa).
Species	E.coli
Source	E.coli
Description	GrxB (Glutaredoxin-2) belongs to the glutaredoxin family. Glutaredoxins are small redox enzymes of approximately one hundred amino-acid residues that use glutathione as a cofactor. Glutaredoxins are oxidized by substrates, and reduced non-enzymatically by glutathione. This protein involved in reducing some disulfides in a coupled system with glutathione reductase. It does not act as hydrogen donor for ribonucleotidereductase.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM NaCl
Molecular Weight	26.5kDa (235aa) confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MKLYIYDHCP YCLKARMIFG LKNIPVELHV LLNDDAETPT RMVGQKQVPI LQKDDSRYMP ESMDIVHYVD KLDGKPLLTG

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	KRSPAIEEWL RKVNGYANKL LLPRFAKSAF DEFSTPAARK YFVDKKEASA GNFADLLAHS DGLIKNISDD LRALDKLIVK PNAVNGELSE DDIQLFPLLR NLTLVAGINW PSRVADYRDN MAKQTQINLL SSMAI
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	grxB glutaredoxin 2 (Grx2) [Escherichia coli str. K-12 substr. MG1655]
Synonyms	grxB; ECK1049; JW1051; glutaredoxin 2 (Grx2); NP_415582.1; glutaredoxin 2
Gene ID	946926
Protein Refseq	NP_415582

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