

**grxB, 1-215aa, E.coli, His tag, E.coli**

**Cat.NO.: TP02342**

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3th Edition

**Synonyms:** glutaredoxin 2 (Grx2)

**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.

**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

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMKLYYDHCPCYCLKARMIFGLKNIPVELHVLLNDDAETPTRMVGQKQVPILQKDDS  
RYMPESMDIVHYVDKLDGKPLLTGKRSPAIEEWLRKVNGYANKLLLPRFAKSAFDEFSTPAARKYFVDKKEASAGN  
FADLLAHS DGLIKNISDDLRALDKLIVKPNVNGELSEDDIQLFLLRNLT LVAGINWPSRVADYRDNMAKQTQINLLS  
SMAI

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay )

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**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.