

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

Cat.NO.: TP02342

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:

MGSSHHHHHHSSGLVPRGSHMKLYIYDHCPLYCLKARMIFGLKNIPVELHVLLNDDAETPTRMVGQKQVPILQKDDSRYPESMDIVHYVDKLDGKPLLTGKRSPAIEEWLRKVNGYANKLLLPRFAKSAFDEFSTPAARKYFVDKKEASAGNFADLLAHS DGLIKNISDDLRLDKLIVKPNVNGELSEDDIQLFPLLRNLTLVAGINWPSRVADYRDNMAKQTQINLLS
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.