

GRXB E.Coli

Description: 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.

Catalog #: ENPS-137

For research use only.

Synonyms: Glutaredoxin-2, Grx2, grxB, b1064, JW1051.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MKLYYDHCP YCLKARMIFG
LKNIPVELHV LLNDDAETPT RMVGQKQVPI LQKDDSRYP ESMDIVHYVD KLDGKPLL TG
KRSPAIEEWL RKNVGYANKL LLPRFAKSAF DEFSTPAARK YFVDKKEASA GNFADLLAHS
DGLIKNISDD LRALDKLIVK PNAVNGELSE DDIQLFLLR NLTLVAGINW PSRVADYRDN
MAKQTQINLL SS

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

GRXB protein solution (1mg/ml) 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 50mM NaCl.

Stability:

GRXB E.Coli Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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 does not act as hydrogen donor for ribonucleotide reductase.

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