

E.Coli GOR Recombinant Protein



RPPB1721

Product Information Protein Information

Product SKU:

RPPB1721

Accession:

P06715

Host:

Escherichia Coli.

Protein description:

GOR E.Coli Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 473 amino acids (1-450) and having a molecular mass of 51.2kDa.GOR is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Glutathione reductase, GR, GRase, gor, b3500, JW3467.

Formulation:

The GOR solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.1M NaCl and 1mM DTT.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

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 Sequence:

MGSSHHHHHH SGLVPRGSH MGSMTKHYDY IAIGGGSGGI ASINRAAMYG QKCALIEAKE LGGTCVNVGC
VPKKVMWHAA QIREAIHMYG PDYGFDTTIN KFNWETLIAS RTAYIDRIHT SYENVLGKNN VDIKGFARF
VDAKTLEVNG ETITADHILI ATGGRPSHPD IPGVEYGIDSDGFFALPALP ERVAVVGAGY IAVELAGVIN
GLGAKTHLFV RKHAPLRSFD PMISETLVEV MNAEGPQLHT NAIPKAVVKN TDGSLTLELE DGRSETVDCL
IWAIGREPAN DNINLEAAGV KTNEKGYIVV DKYQNTNIEG IYAVGDNTGA VELTPVAVAA GRRLSERLFN
NKPDEHLDYSNIPTVVFVSH PIGTVGLTEP QAREQYGDDQ VKVYKSSFTA MYTAVTTHRQ PCRMKLVCVG
SEEKIVGIHG IGFGMDEMLQ GFAVALKMGA TTKDFDNTVA IHPTAAEEFV TMR.

Biological Activity:

The specific activity is > 52 units/ml.One unit will reduce 1.0 umol of oxidized glutathione per minute at pH 7.5 at 25°C.