

E.Coli TRXR Recombinant Protein



RPPB2352

Product Information Protein Information

Product SKU:

RPPB2352

Accession:

P0A9P4

Host:

Escherichia Coli.

Protein description:

TRXR E.coli Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 321 amino acids (1-321 a.a.) and having a molecular mass of 34.6 kDa. TRXR protein is purified by standard chromatography.

Appearance:

Sterile filtered colorless solution.

Synonyms:

TRXB, TRXR, Thioredoxin Reductase.

Formulation:

TRXR E.Coli solution containing 20mM Tris HCl pH-8, 1mM DTT, and 10% glycerol.

Purity:

Greater than 90% 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:

MGTTKHSKLL ILGSGPAGYT AAVYAARANL QPVLITGMEK GGQLTTTTEV ENWPGDPNDL TGPLLMERMH
EHATKFETEI IFDHINKVDL QNRPFLNGD NGEYTCDALI IATGASARYL GLPSEEAFCG RGVSACATCD
GFFYRNQKVA VIGGGNTAVE EALYLSNIAS EVHLIHRDGD FRAEKILIKR LMDKVENGNI ILHTNRTLEE
VTGDQMGVTG VRLRDTQNSD NIESLDVAGL FVAIGHSPNT AIFEGQLELE NGYIKVQSGI HGNATQTSIP
GVFAAGDVMD HIYRQAITS A GTGCMALDA ERYLDGLADA K.

Biological Activity:

Specific activity is 4-5 units/ml, and was measured in a coupled assay with DTNB and NADPH. The amount of TNB generated by NADPH was measured in absorbance at 412 nm.