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32-2867: TRXR Recombinant Protein

Alternative Name : TRXB,TRXR,Thioredoxin Reductase.

Description

Source : Escherichia Coli. 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. TRXR is a ubiquitous enzyme which participates in various cellular processes such as cell growth, p53 activity, and protection against oxidation stress. The mammalian Thioredoxin reductase cleaves thioredoxins as well as non-disulfide substrates such as selenite, lipoic acids, lipid hydroperoxides, and hydrogen peroxidec.

Product Info

Amount :	25 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	TRXR E.Coli solution containing 20mM Tris HCl pH-8, 1mM DTT, and 10% glycerol.
Storage condition :	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 :	MGTTKHSKLL ILGSGPAGYT AAVYAARANL QPVLITGMEK GGQLTTTTEV ENWPGDPNDL TGPLLMERMH EHATKFETEI IFDHINKVDL QNRPFRLNGD NGEYTCDALI IATGASARYL GLPSEEAFKG RGVSACATCD GFFYRNQKVA VIGGGNTAVE EALYLSNIAS EVHLIHRRDG FRAEKILIKR LMDKVENGNI ILHTNRTLEE VTGDQMGVTG VRLRDTQNSD NIESLDVAGL FVAIGHSPNT AIFEGQLELE NGYIKVQSGI HGNATQTSIP GVFAAGDVMD HIYRQAITSA GTGCMAALDA ERYLDGLADA K.

Application Note

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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.