

32-2868: TRXR Recombinant Protein

Alternative Name : Thioredoxin Reductase (NADPH),NTR,TrxR.

Description

Source : Escherichia Coli. Thioredoxin Reductase (NADPH) Yeast Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain having a molecular mass of 36 kDa. Thioredoxin Reductase is purified by proprietary chromatographic techniques. Thioredoxin reductase (TrxR/NTR), an enzyme belonging to the flavoprotein family of pyridine nucleotide-disulfide oxidoreductases. Thioredoxin reductase (TrxR), a component of the thioredoxin system, including thioredoxin (Trx) and NADPH, catalyzes the transfer of electrons from NADPH to Trx, acts as a reductant of disulfide-containing proteins and participates in the defense system against oxidative stresses.

Product Info

Amount : 20 µg
Purification : Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content : Each mg of protein contains 20mM phosphate buffer pH 7.4 and 0.15M sodium chloride.
Storage condition : NTR although stable at 4°C for 3 weeks, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Application Note

It is recommended to reconstitute the lyophilized NTR in sterile 18MΩ·cm H₂O. The specific activity was found to be 5 IU/mg.

