

Thioredoxin E.Coli Recombinant

Item Number	rAP-4946
Synonyms	Thioredoxin-1, Trx-1, trxA, fipA, tsnC, b3781, JW5856.
Description	Recombinant Thioredoxin was purified from E. coli harboring its gene.
Uniprot Accession Number	P0AA25
Amino Acid Sequence	HMSDKIIHL TDDSFDTDLKADGAIL VDFW AEWCGPCKMIAPILDEI GKLTVAKLNIDQNPGTAPKYGIR-GIPTLLLFKNGEVAATKVGAL DANLA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Lyophilized Powder. TRX although stable at 4°C for 3 weeks, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
Formulation and Purity	Each mg of protein contains 20mM phosphate buffer pH 7.4. Greater than 90.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TRX in sterile 18MΩ-cm H2O.
Biological Activity	TRX activity is assayed by measuring the change in absorbance at 650 nm at 25°C using 0.13μM bovine insulin containing 0.33mM DTT (pH 6.5).The specific activity was found to be 3IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**