

Thioredoxin Recombinant, His Tag

Item Number	rAP-4949
Synonyms	Thioredoxin-1, Trx-1, trxA, fipA, tsnC, b3781, JW5856.
Description	Recombinant Thioredoxin produced in E.Coli is a single, non-glycosylated polypeptide chain containing 119 amino acids (2-109 a.a.) and having a molecular mass of 12.9kDa. TRX contains an amino acid His Tag N-terminus and is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P0AA25
Amino Acid Sequence	MHHHHHHMGS DKIIHLTDDS FDTDVLKADG AILVDFWAEW CGPCKMIAP I LDEIADEYQG KLTVAKLNID QNPGTAPKYG IRGIPTLLLF KNGEVAATKV GALSKGQLKE FLDANLAGS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The TRX His Tag protein solution contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 1mM DTT. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
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**