

Thioredoxin Yeast Recombinant

Item Number	rAP-4945
Synonyms	Thioredoxin-1, Thioredoxin I, TR-I, Thioredoxin-2, TRX1, TRX2, YLR043C.
Description	Thioredoxin Yeast Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain having a molecular mass of 12.6kDa.
Uniprot Accession Number	P22217
Amino Acid Sequence	
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 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TRX in sterile 18MΩ-cm H ₂ O.
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 5.8units/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**