

## Thioredoxin Human Recombinant

<b>Item Number</b>	rAP-4947
<b>Synonyms</b>	Thioredoxin, ATL-derived factor, ADF, Surface-associated sulphhydryl protein, SASP, TXN, TRDX, TRX, TRX1, MGC61975, DKFZp686B1993.
<b>Description</b>	Thioredoxin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 105 amino acids and having a molecular mass of 11.7 kDa.
<b>Uniprot Accession Number</b>	P10599
<b>Amino Acid Sequence</b>	MVKQIESKTA FQEALDAAGD KLVVVDfsat WCGPCKMIKP FFHSLSEKYS NVIFLEVDVD DCQDVASECE VKCMPTFQFFKKGQKVGFEFS GANKEKLEAT INELV.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	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.
<b>Formulation and Purity</b>	Thioredoxin solution containing 1mg/ml solution containing 1xPBS pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	Specific activity is 7-10 A650/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin. Please refer to our activity assay protocol.
<b>Shipping Format and Condition</b>	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**