

## Thioredoxin-2 Human Recombinant

<b>Item Number</b>	rAP-4948
<b>Synonyms</b>	Thioredoxin mitochondrial, Thioredoxin-2, TXN2, MTRX, TRX2, MT-TRX, TRX-2, TXN-2.
<b>Description</b>	MTRX Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 108 amino acids and having a molecular mass of 11 kDa.
<b>Uniprot Accession Number</b>	Q99757
<b>Amino Acid Sequence</b>	MTTFNIQDGP DFQDRVVNSE TPVVVDFHAQ WCGPCKILGP RLEKMVAKQH GKVVMKVDI DDHTDLAIEY EVSAVPTVLA MKNGDVVDFK VGIKDEDQLE AFLKKLIG.
<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>	TXN2 protein solution contains 1x PBS pH-7.4. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	Specific activity is 3-4 A650/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin.
<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**