

## Active Recombinant Human TXN2 protein, His-tagged

**Cat. No.** TXN2-1179H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TXN2 protein(Q99757)(Thr60-Gly166), fused with His tag, was expressed in E. coli.
<b>Source</b>	E. coli
<b>Species</b>	Human
<b>Tag</b>	His
<b>Form</b>	Lyophilized from sterile PBS, pH 8.3Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to catalyze the reduction of insulin. The reaction leads to precipitation, which can be measured by absorbance at 650 nm. The specific activity is 5-8 A650/min/mg.
<b>Molecular Mass</b>	The recombinant human TXN2 consisting of 118 amino acids and has a calculated molecular mass of 13.4 kDa. The apparent molecular mass of the protein is approximately 13 kDa in SDS-PAGE under reducing conditions.
<b>Protein Length</b>	Thr60-Gly166
<b>Purity</b>	> 97 % as determined by SDS-PAGE

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** TXN2 thioredoxin 2 [ Homo sapiens ]

**Official Symbol** TXN2

**Synonyms** TXN2; thioredoxin 2; thioredoxin, mitochondrial; MT TRX; thioredoxin-2; mitochondrial thioredoxin; MTRX; TRX2; MT-TRX;


**Gene ID** 25828

**mRNA Refseq** NM\_012473

**Protein Refseq** NP\_036605

**MIM** 609063

**UniProt ID** Q99757

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