

Active Recombinant Human TXN2 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human TXN2 protein(Q99757)(Thr60-Gly166), fused with His tag, was expressed in E. coli.
Source	E. coli
Species	Human
Tag	His
Form	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.
Bio-activity	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.
Molecular Mass	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.
Protein Length	Thr60-Gly166
Purity	> 97 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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 [<i>Homo sapiens</i>]
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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