

Recombinant Human TXN Protein, His-tagged

Cat. No. TXN-2011H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Thioredoxin Protein is produced by E. coli expression system. The target protein is expressed with sequence (Val2-Val105) of human Thioredoxin (Accession #NP_003320.2) fused with a 6xHis tag at the C-terminus.
Species	Human
Source	E.coli
ProteinLength	Val2-Val105
Description	The protein encoded by this gene acts as a homodimer and is involved in many redox reactions. The encoded protein is active in the reversible S-nitrosylation of cysteines in certain proteins, which is part of the response to intracellular nitric oxide. This protein is found in the cytoplasm. Two transcript variants encoding different isoforms have been found for this gene.
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5 % mannitol.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90% as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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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 TXN thioredoxin [Homo sapiens]

Official Symbol TXN

Synonyms TXN; thioredoxin; TRX; ADF; SASP; TXN delta 3; ATL-derived factor; thioredoxin delta 3; surface-associated sulphydryl protein; TRDX; TRX1; MGC61975; DKFZp686B1993;

Gene ID 7295

mRNA Refseq NM_001244938

Protein Refseq NP_001231867

MIM 187700

UniProt ID P10599

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