

Recombinant Human TXN Protein, C-Avi&6His tagged, Biotinylated

Cat. No. TXN-47H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human Thioredoxin is produced by E.coli. The target gene encoding M1-V105 is expressed with a Avi&6His tag at the C terminus.
Species	Human
Source	E.coli
ProteinLength	M1-V105
Description	Thioredoxin (TXN) is a small ubiquitous protein in all cells that plays an important role in cellular redox reactions. It is secreted by lymphocytes, hepatocytes, fibroblasts, and several tumor cells. TXN is up-regulated under stress conditions such as hypoxia, elevated hydrogen peroxide concentrations, photochemical oxidative stress, and viral and bacterial infections. TXN modulates the growth factor activities, and the antioxidant properties, as well as act as a cofactor that provides reducing equivalents, and transcriptional regulation.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of 2 µM Na ₂ HPO ₄ , 2 µM NaH ₂ PO ₄ , pH7.4.
Shipping	Ambient
Conjugation	Biotin

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GENE INFORMATION

Gene Name	TXN thioredoxin [Homo sapiens (human)]
Official Symbol	TXN
Synonyms	Thioredoxin1; Thioredoxin-1; Trx1; TXN; TXN1
Gene ID	7295
mRNA Refseq	NM_001244938
Protein Refseq	NP_001231867
MIM	187700
UniProt ID	P10599

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