

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

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	M1-V105
<b>Description</b>	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.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of 2 µM Na <sub>2</sub> HPO <sub>4</sub> , 2 µM NaH <sub>2</sub> PO <sub>4</sub> , pH7.4.
<b>Shipping</b>	Ambient
<b>Conjugation</b>	Biotin

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## GENE INFORMATION

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

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