

## Product datasheet for **TP724659**

### TXN Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Recombinant Human Thioredoxin/TXN (C-Avi&His)
Species:	Human
Expression cDNA Clone or AA Sequence:	M1-V105
Tag:	C-Avi&6His
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20mM Na <sub>2</sub> HPO <sub>4</sub> , 20mM NaH <sub>2</sub> PO <sub>4</sub> , pH 7.4.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	7295
UniProt ID:	<a href="#">P10599</a>
Summary:	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.



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