

Product datasheet for **TP727111**

TXN Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Thioredoxin/TXN (N-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Val105
Tag:	N-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mMPB ,1mMEDTA,2mMDTT pH7.2.
Note:	Recombinant Human Thioredoxin is produced by our E.coli expression system and the target gene encoding Met1-Val105 is expressed with a 6His tag at the N-terminus.
Stability:	12 months from date of despatch
Locus ID:	7295
UniProt ID:	P10599
Summary:	Thioredoxin (TXN) is a member of the Thioredoxin family. Thioredoxin exists as a disulfide-linked homodimer and contains one Thioredoxin domain. Thioredoxin is up-regulated by ionizing radiation. Thioredoxin participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. Thioredoxin also plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide.



[View online »](#)