

## Product datasheet for **TP720851L**

### TXN (NM\_003329) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human thioredoxin (TXN)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	M1-V105
Tag:	C-Avi&6His
Predicted MW:	13.9 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_003320</a>
Locus ID:	7295
UniProt ID:	<a href="#">P10599</a> , <a href="#">H9ZYJ2</a>
RefSeq Size:	886
Cytogenetics:	9q31.3
RefSeq ORF:	315
Synonyms:	TRDX; TRX; TRX1; Trx80



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**Summary:** 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. [provided by RefSeq, Oct 2011]

**Protein Families:** Druggable Genome