

## Product datasheet for **TP720159XL**

### Thioredoxin 2 (TXN2) (NM\_012473) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human thioredoxin 2 (TXN2), nuclear gene encoding mitochondrial protein
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Thr60-Gly166
Tag:	N-His
Predicted MW:	12 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
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:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_036605</a>
Locus ID:	25828
UniProt ID:	<a href="#">Q99757</a>
Cytogenetics:	22q12.3
Synonyms:	COXPD29; MT-TRX; MTRX; TRX2; TXN



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**Summary:**

This nuclear gene encodes a mitochondrial member of the thioredoxin family, a group of small multifunctional redox-active proteins. The encoded protein may play important roles in the regulation of the mitochondrial membrane potential and in protection against oxidant-induced apoptosis. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome

**Product images:**