

Recombinant Human Thioredoxin/TXN (C-Avi&His)

Catalog No: BP091 (CE85)

Description	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.
Expression System	E.coli
Alternative name	Thioredoxin1; Thioredoxin-1; Trx1; TXN; TXN1
Accession No.	P10599
Predicted Molecular Weight	15.2kDa
Apparent Molecular Weight	14.4-18.4kDa, reducing conditions.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Na ₂ HPO ₄ , 20mM NaH ₂ PO ₄ , pH7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Background	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.

SDS-PAGE

