

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 15.2kDa
Molecular Weight

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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 Na2HPO4, 20mM NaH2PO4, 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.

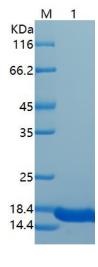
Background Thioredoxin (TXN) is a small ubiquitous protein in all cells that plays an important role in cellular

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

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equivalents, and transcriptional regulation.

SDS-PAGE



M: Marker

1: Sample in reducing condition

