

Recombinant Human TXN (N-6His)

Catalog No: CE85

Description	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.
Source	Human Cells
Alternative name	Thioredoxin; Trx; ATL-Derived Factor; ADF; Surface-Associated Sulphydryl Protein; SASP; TXN; TRDX; TRX; TRX1
Accession No.	P10599
Predicted Molecular Weight	13.9kDa
AP Molecular Weight	14kDa, reducing conditions.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 1mM EDTA, 2mM DTT, pH 7.2.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
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.
Background	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.

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