Active Recombinant Human TXN protein, His-tagged

Cat. No. TXN-2585H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human Thioredoxin/SASP/TXN Protein is produced by E. coli expression system. The target protein is expressed with sequence (Val2-Val105) of human Thioredoxin (Accession #NP_003320.2) fused with a 6×His tag at the C-terminus.
Species	Human
Source	E.coli
ProteinLength	Val2-Val105
Form	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Bio-activity	1.Measured by its binding ability in a functional ELISA. Immobilized Human TXN Protein at 1 μg/mL (100 μL/well) can bind TXN Rabbit mAb with a linear range of 0.976-5.3 ng/mL. 2.Measured by its ability to catalyze the reduction of insulin. The reaction leads to precipitation, which can be measured by absorbance at 650 nm. The specific activity is >9 A650/min/mg.
Molecular Mass	13 kDa
Endotoxin	< 0.1 EU/μg of the protein by LAL method.
Purity	> 95% by SDS-PAGE.

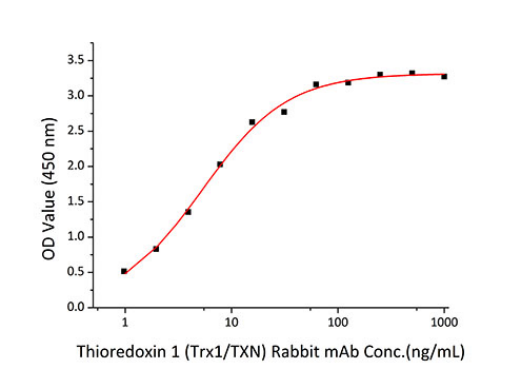
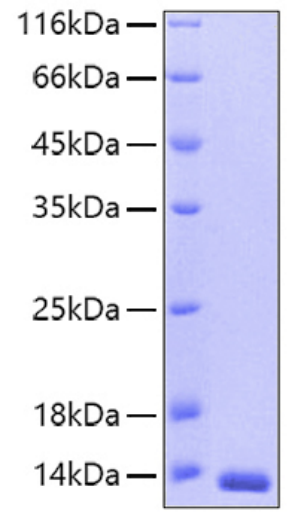
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Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

GENE INFORMATION

Gene Name	TXN thioredoxin [Homo sapiens]
Official Symbol	TXN
Synonyms	TXN; thioredoxin; TRX; ADF; SASP; TXN delta 3; ATL-derived factor; thioredoxin delta 3; surface-associated sulphydryl protein; TRDX; TRX1; MGC61975; DKFZp686B1993;
Gene ID	7295
mRNA Refseq	NM_001244938
Protein Refseq	NP_001231867
MIM	187700
UniProt ID	P10599

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Bio-activity	
SDS-PAGE	

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