

Active Recombinant Human TXN protein(Met1-Val105)

Cat. No. TXN-2556H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TXN protein(P10599)(Met1-Val105) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Val105
similar	TXN
Alias	TXN; thioredoxin; TRX; ADF; SASP; TXN delta 3; ATL-derived factor; thioredoxin delta 3; surface-associated sulphhydryl protein; TRDX; TRX1; MGC61975; DKFZp686B1993;
Conjugate	N/A
Form	Lyophilized from sterile PBS, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bioactivity	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 5-10 A650/min/mg.
MolecularMass	The recombinant human TXN comprises 105 amino acids and predicts a molecular mass of 11.7 kDa. It migrates as an approximately 14 kDa band in SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GeneName	TXN thioredoxin [Homo sapiens]
GeneNameWeblink	7295
OfficialSymbol	TXN
OfficialSymbolWeblink	7295
GeneID	7295
GeneIDWeblink	7295
mRNARefseq	NM_001244938
mRNARefseqWeblink	NM_001244938.1
ProteinRefseqWeblink	NP_001231867.1

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MIMWeblink	187700
UniProtID	P10599
UniProtIDWeblink	P10599

GENE INFORMATION

Synonyms	TXN; thioredoxin; TRX; ADF; SASP; TXN delta 3; ATL-derived factor; thioredoxin delta 3; surface-associated sulphhydryl protein; TRDX; TRX1; MGC61975; DKFZp686B1993;
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