

Active Recombinant Full Length mouse Txn protein, His-tagged

Cat. No. Txn-10HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Full Length mouse Txn protein, His-tagged, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1-105aa
Description	Thioredoxin-1 is a low molecular weight redox protein. Thioredoxin-1 contains a redox active disulfide/dithiol group within the conserved Cys-Gly-Pro-Cys active site. It is involved in the first unique step in DNA synthesis. Thioredoxin-1 also provides control over a number of transcription factors affecting cell proliferation and death through a mechanism referred to as redox regulation. Recombinant Mouse Thioredoxin-1 was expressed in E. coli and purified by using conventional chromatography techniques.
Tag	His
Bio-activity	Specific activity is >60 A650/cm/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin
Molecular Mass	14.1 kDa
AA Sequence	MVKLIES KEAFQEALAA AGDKLVVDF SATWCGPCKM IKPFFHSLCD

 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

	KYSNVVFLEV DVDDCQDVAA DCEVKCMPTF QFYKKGQKVG EFSGANKEKL EASITEYA
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE, Enzyme Activity
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by BCA assay)
Storage Buffer	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
References	Pigiet VP., et al.(1986) Proc. Natl.Acad.Sci. uSA 83(20):7643-7. Lundstrom J., et al. (1990) J.Biol.Chem. 265(16):9114-20.

GENE INFORMATION

Gene Name	Txn1 thioredoxin 1 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Txn1
Synonyms	TRX1, TRX2, Thioredoxin-1, Thioredoxin I, TR-I, Thioredoxin-2, Thioredoxin-1, ADF, Surface associated sulphhydryl protein, TXN protein, ATL derived factor, DKFZp686B1993, MGC61975, SASP, Thioredoxin, TRDX, TRX, TRX 1, Txn,Txn1
Gene ID	22166

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

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

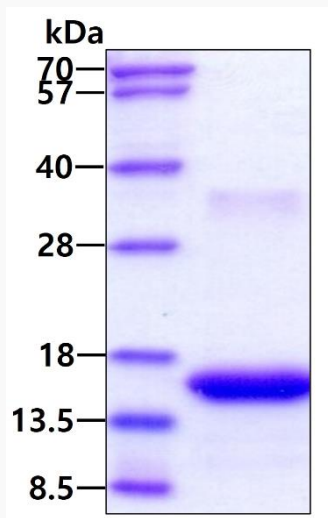
 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq [NM_011660](#)

Protein Refseq [NP_035790](#)

UniProt ID [P10639](#)

3ug by SDS-PAGE
under reducing
condition and
visualized by
Coomassie blue
stain.



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