

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 AGDKLVVVDV SATWCGPCKM IKPFFHSLCD

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	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

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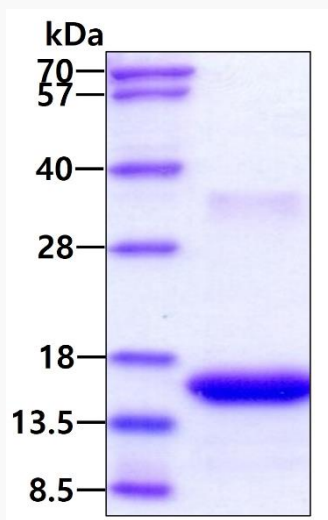
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mRNA Refseq [NM_011660](#)

Protein Refseq [NP_035790](#)

UniProt ID [P10639](#)

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



SDS-PAGE

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