

Recombinant Mouse Txn1 Protein

Cat. No. Txn1-016M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Txn1 protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Thioredoxins (Trx) are small, multi-functional proteins with oxidoreductase activity and are ubiquitous in essentially all living cells. Trx contains a redox-active disulfide/ dithiol group within the conserved Cys-Gly-Pro-Cys active site. Specific protein disulfide targets for reduction by Trx include protein disulfide –isomerase (PDI) and a number of transcription factors such as p53, NFkB and AP-1. Trx is also capable of removing H ₂ O ₂ , particularly when it is coupled with either methionine sulfoxide reductase or several isoforms of peroxiredoxins.
Form	Lyophilized
Purity	≥80% estimated by SDS-PAGE
Stability	≥ 6 months
Storage	4 centigrade
Storage Buffer	0.5% NH ₄ HCO ₃

GENE INFORMATION

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Gene Name	Txn1 thioredoxin 1 [Mus musculus (house mouse)]
Official Symbol	Txn1
Synonyms	Txn1; thioredoxin 1; ADF; Txn; Trx1; AW550880; thioredoxin; ATL-derived factor; trx
Gene ID	22166
mRNA Refseq	NM_011660
Protein Refseq	NP_035790
UniProt ID	P10639

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