

## Recombinant Mouse Txn1 Protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Txn1 protein without tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	<p>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<sub>2</sub>O<sub>2</sub>, particularly when it is coupled with either methionine sulfoxide reductase or several isoforms of peroxiredoxins.</p>
<b>Form</b>	Lyophilized
<b>Purity</b>	≥80% estimated by SDS-PAGE
<b>Stability</b>	≥ 6 months
<b>Storage</b>	4 centigrade
<b>Storage Buffer</b>	0.5% NH <sub>4</sub> HCO <sub>3</sub>

### GENE INFORMATION

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

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