

Recombinant Mouse Txn1 Protein

Cat. No. Txn1-003M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active recombinant mouse thioredoxin 1 without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions.
Molecular Mass	11.6 kDa
Purity	≥75% estimated by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme required to produce 1 nmol of eosin per minute at 37 centigrade in 50mM Tris-HCl, pH7.5, with 0.2 mg/mL BSA, and 1mM EDTA containing 8.3μM eosin-labeled insulin, 250μM NADPH, and 0.2U/mL lthioredoxin reductase.
Stability	≥ 6 months
Storage	4 centigrade
Storage Buffer	Lyophilized in 50 mM Tris-HCl, pH 7.5, with 1 mM EDTA

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_011660.3
Protein Refseq	NP_035790
UniProt ID	P10639
Thioredoxin 1 (Mouse) Activity	Thioredoxin 1
SDS-PAGE of Thioredoxin 1	Lane 1: MW Markers Lane 2: Thioredoxin 1 (2 µg) Lane 3: Thioredoxin 1 (4 µg)