

Active Recombinant Mouse Txn1, His-tagged

Cat. No. Txn1-538M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Description	Txn1 also known as thioredoxin 1, was an important protein in mouse that has many functions, such as enzyme binding, poly(A) RNA binding.
Form	Lyophilized from 0.5% NH ₄ HCO ₃ .
Bio-activity	Fully active with mammalian thioredoxin reductase. Activity can be measured with the thioredoxin-dependent reduction of insulin using rat recombinant thioredoxin reductase. The test mixture should contain 160 μ M insulin and 0.2 mM NADPH in 0.1 M potassium phosphate, pH 7.0, containing 2 mM EDTA. In the presence of 5 μ M mouse thioredoxin, 7 nM mammalian thioredoxin reductase will give an absorbance decrease of approximately 0.10/min at 340 nm.
Notes	Make sure to reconstitute all of the lyophilized protein in the ampoule. After adding buffer, close the screw-cap again, shake vigorously, then centrifuge shortly, in order to recover liquid from tube cap and walls.
Stability	6 months
Storage	Keep at 4 centigrade or alternatively reconstituted protein in aliquots at -20 centigrade. Lyophilized substance.

 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

Reconstitution Reconstitute with H₂O or buffer.

GENE INFORMATION

Gene Name Txn1 thioredoxin 1 [*Mus musculus*]

Official Symbol Txn1

Synonyms ADF; Txn; Trx1; AW550880; thioredoxin; ATL-derived factor; trx

Gene ID 22166

mRNA Refseq NM_011660

Protein Refseq NP_035790

UniProt ID P10639

Chromosome Location 4 B3; 4 31.87 cM

Pathway Cellular Senescence, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Gene Expression, organism-specific biosystem

Function enzyme binding; oxidoreductase activity, acting on a sulfur group of donors, disulfide as acceptor; peptide disulfide oxidoreductase activity

 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