

Recombinant Rat Txn1 protein, His-tagged

Cat. No. Txn1-683R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Txn1 aa. (Met1~Ala105 (Accession # P11232)) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~Ala105
Description	Protein-disulfide reductase enzyme that is important for redox signalling during apoptosis and cell growth.
Form	Freeze-dried powder
Molecular Mass	15kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.6.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer

Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name

[Txn1 thioredoxin 1 \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol

[Txn1](#)

Synonyms

Txn1; thioredoxin 1; Txn; thioredoxin; trx

Gene ID

[116484](#)

mRNA Refseq

[NM_053800.3](#)

Protein Refseq

[NP_446252.1](#)

UniProt ID

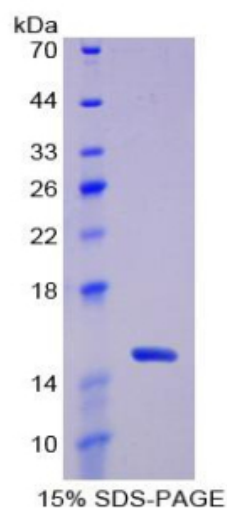
[P11232](#)

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SDS-PAGE



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