

Thioredoxin (Trx) Recombinant Protein | Trx recombinant protein

Recombinant Thioredoxin (Trx)

CATALOG # AAA134039	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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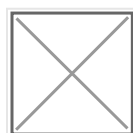
PRODUCT SYNONYMS

Thioredoxin (Trx); Recombinant Thioredoxin (Trx); Trx recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Sequence	The target protein is fused with a N-terminal his-tag, its sequence is listed below. MGHHH HHHSGSEF-M VKLIESKEAF QEALAAAGDK LVVVDFSATW CGPCKMIKPF FHSLCDKYSN VVFLEVDVDD CQDVAADCEV KCMPTFQFYK KGQKVGEFSG ANKEKLEATI TEFA
Sequence Length	105
Applicable Applications for Trx recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Rattus norvegicus (Rat)
Expression System	Prokaryotic expression
Residues	MET1~Ala105 (Accession # P11232) with a N-terminal his-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Predicted isoelectric point	5.6
Accurate Molecular Mass	15kDa as determined by SDS-PAGE reducing conditions.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758644
NCBI GeneID	116484
NCBI Accession #	NP_446252.1
NCBI GenBank Nucleotide #	NM_053800.3
UniProt Accession #	P11232
Molecular Weight	13.2kDa
NCBI Official Full Name	thioredoxin
NCBI Official Synonym Full Names	thioredoxin 1
NCBI Official Symbol	Txn1
NCBI Official Synonym Symbols	Txn
NCBI Protein Information	thioredoxin; trx
UniProt Protein Name	Thioredoxin
UniProt Gene Name	Txn
UniProt Synonym Gene Names	Txn1; Trx
UniProt Entry Name	THIO_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/txn-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134039>