

Bioactive

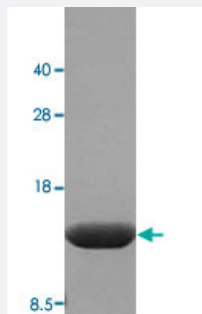
Full-Length

TXN (Human) Recombinant Protein

Catalog # P3454

Size 100 ug

Applications



Specification

Product Description	Human TXN (NP_003320, 1 a.a. - 105 a.a.) full-length recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MVKQIESKTAFQEALDAAGDKLVVVDFSATWCGPCKMIKPFHSLSEKYSNVIFLEVDVDDCQD VASECEVKCMPTFQFFKKGQKVGEFSGANKEKLEATINELV
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	11.7
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Conventional Chromatography
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Activity	Specific activity is 7-10 A650/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin. Please refer to our activity assay protocol.

Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In PBS, pH 7.4.
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — TXN

Entrez GeneID	7295
Protein Accession#	NP_003320
Gene Name	TXN
Gene Alias	DKFZp686B1993, MGC61975, TRX, TRX1
Gene Description	thioredoxin
Omim ID	187700
Gene Ontology	Hyperlink
Gene Summary	Thioredoxin is a 12-kD oxidoreductase enzyme containing a dithiol-disulfide active site. It is ubiquitous and found in many organisms from plants and bacteria to mammals. Multiple in vitro substrates for thioredoxin have been identified, including ribonuclease, choriogonadotropins, coagulation factors, glucocorticoid receptor, and insulin. Reduction of insulin is classically used as an activity test.[supplied by OMIM]
Other Designations	OTTHUMP00000021892

Disease

- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Tobacco Use Disorder](#)