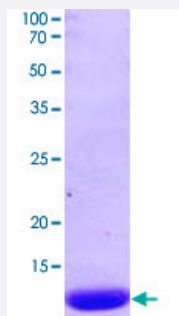


Bioactive

TXN2 (Human) Recombinant Protein

Catalog # P3395 Size 100 ug

Applications



Specification

Product Description	Human TXN2 (NP_036605, 60 a.a. - 166 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MTTFNIQDGPDPFQDRVVNSETPVVVDFHAQWCGPCKILGPRLEKMTAKQHGKVVMAKVDIDDHT DLAIEYEVSAVPTVLAMKNGDVVDKDFVGKDEDDQLEAFLKKLIG
Host	Escherichia coli
Theoretical MW (kDa)	11
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 >40 A650/cm/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin.
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 store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — TXN2

Entrez GeneID[25828](#)**Protein Accession#**[NP_036605](#)**Gene Name**

TXN2

Gene Alias

MT-TRX, MTRX, TRX2

Gene Description

thioredoxin 2

Omim ID[609063](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This nuclear gene encodes a mitochondrial member of the thioredoxin family, a group of small multifunctional redox-active proteins. The encoded protein may play important roles in the regulation of the mitochondrial membrane potential and in protection against oxidant-induced apoptosis. [provided by RefSeq]

Other Designations

mitochondrial thioredoxin

Disease

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

- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neural Tube Defects](#)
- [Spinal Dysraphism](#)