

Recombinant Human Thioredoxin/TXN Protein (His Tag)(Active)

RPES0702



Product Information

Product SKU:

RPES0702

Molecular Mass:

13.9 kDa

AP Molecular Mass:

14 kDa

Protein Information

Accession:

P10599

Sequence

Met 1-Val105

Tag

N-6His

Expression host

E. coli

Purity

> 95 % as determined by reducing SDS-PAGE.

Protein Background

Thioredoxin (TXN) is a member of the Thioredoxin family. Thioredoxin exists as a disulfide-linked homodimer and contains one Thioredoxin domain. Thioredoxin is up-regulated by ionizing radiation. Thioredoxin participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. Thioredoxin also plays a role in the reversible S-nitrosylation of cysteine residues in target proteins; and thereby contributes to the response to intracellular nitric oxide.

Immunogen information

Synonyms:

Thioredoxin; Trx; ATL-Derived Factor; ADF; Surface-Associated Sulphydryl Protein; SASP; TXN; TRDX; TRX; TRX1

Endotoxin:

< 1.0 EU per µg as determined by the LAL method.

Species:

Human

Formulation:

Lyophilized from a 0.2 µm filtered solution of 20mM PB; 1mM EDTA; 2mM DTT; PH7.2.

Reconstitution:

We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex.

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.

Shipping:

This product is provided as lyophilized powder which is shipped with ice packs.

Storage:

Lyophilized protein should be stored at < -20°C, Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



