

# Human Thioredoxin-2/TXN2 (His Tag) recombinant protein



Catalog Number: 501701

## General Information

### Gene Name Synonym

Thioredoxin-2

### Protein Construction

A DNA sequence encoding the mature form of human TXN2 (Q99757) (Thr 60-Gly 166) was expressed, with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to catalyze the reduction of insulin. The reaction leads to precipitation, which can be measured by absorbance at 650 nm. The specific activity is 5-8 A<sub>650</sub>/min/mg.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

## Molecular Mass

The recombinant human TXN2 consisting of 118 amino acids and has a calculated molecular mass of 13.4 kDa. The apparent molecular mass of the protein is approximately 13 kDa in SDS-PAGE under reducing conditions.

## Formulation

- Lyophilized from sterile PBS, pH 8.3
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
  2. Please contact us for any concerns or special requirements.

## Usage Guide

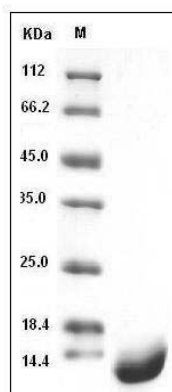
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



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SDS-PAGE