

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 A₆₅₀/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

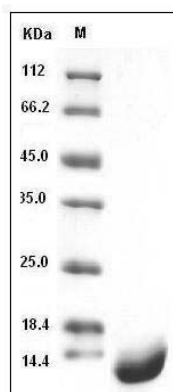
Storage

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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