

# Human TXNRD1 / TRXR1 Protein (aa 161-647, His Tag)

Catalog Number: 13093-H07E



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

GRIM-12; TR; TR1; TRXR1; TXNR

### Protein Construction:

A DNA sequence encoding the human TXNRD1 isoform 1 (Q16881-1) (Tyr 161-Cys 647) was expressed, with a polyhistidine tag at the N-terminus.

**Source:** Human

**Expression Host:** E. coli

## QC Testing

**Purity:** > 90 % 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 TXNRD1 consisting of 498 amino acids and has a calculated molecular mass of 55 kDa. It migrates as an 60 kDa band in SDS-PAGE under reducing conditions as predicted.

### Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

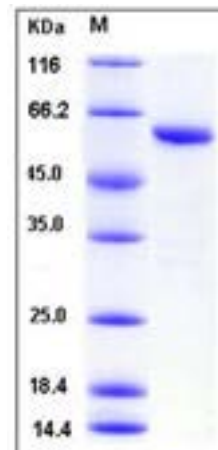
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## References

1.Gasdaska P.Y., et al., 1995, FEBS Lett. 373:5-9. 2.Rundloef A.-K., et al., 2004, Free Radic. Biol. Med. 36:641-656. 3.Rikova K., et al., 2007, Cell 131:1190-1203.

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