

# Recombinant Human TMX3 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08493

**Protein Name:** Protein Disulfide-Isomerase Tmx3 (TMX3)

**Aliases:** PDIA13; TXNDC10; protein disulfide-isomerase TMX3; thioredoxin domain containing 10; thioredoxin domain-containing protein 10

**UniProt ID:** Q96JJ7

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q96JJ7/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein of Isoform 2 (25-195aa)

**Molecular Weight:** 35.6kDa

**Protein Tag:** N-terminal 6xHis-SUMO-tagged

## 2. Amino Acid Sequence (25-195aa)

KG FVEDLDESFKENRND DIWLVDFYAPWCGHCKKLEPIWNEVGLEMK SIGSPVKV  
GKMDATSYSSIAS EFGV RGYPTIKLLKGD LAYNYRGPRTKDDIIEFAHRVSGALIRPL  
PSQQMFEHMQRHRVFFVYVGGESPLKEKYIDAASELIVYTYFFSASEEVVPEVIFKI

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.



## **5. Product Description**

This product is a recombinant Human TMX3 full length of mature protein of isoform 2 protein (25-195aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. TMX3, also known as PDIA13 or TXNDC10 or protein disulfide-isomerase TMX3, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## **6. Notes**

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.