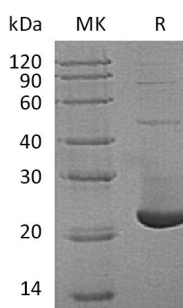


## Summary

<b>Name</b>	Thioredoxin-related transmembrane protein 2/TMX2
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Thioredoxin-related Transmembrane Protein 2 is produced by our E.coli expression system and the target gene encoding Met125-Lys296 is expressed with a 6His tag at the N-terminus.
<b>Accession #</b>	Q9Y320
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	21.9 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20mM Citrate, 15% Trehalose, 50mM NaCl, 1mM EDTA, 1mM TCEP, 0.1% Tween 80, pH 4.0.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

**Product Name: Recombinant Human TMX2 (N-6His)**  
**Catalog #: PEH1633**



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**Alternative Names**

Thioredoxin-related transmembrane protein 2; Cell proliferation-inducing gene 26 protein; Thioredoxin domain-containing protein 14; TMX2

**Background**

TMX2 is a single-pass type I membrane protein and contains 1 thioredoxin domain. Thioredoxin plays an important role in various cellular processes through redox regulation. The Molecular Cloning and characterization of one member of the thioredoxin superfamily, designated as TMX2. The TMX2 cDNA consists of 1644 nucleotides and contains an open reading frame encoding a protein of 372 amino acids with a predicted molecular mass of 42.5 kDa and an isoelectric point of 8.94. The TMX2 protein may possess an N-terminal signal peptide, a potential transmembrane domain, an Myb DNA-binding domain repeat signature, a thioredoxin consensus pattern, an endoplasmic reticulum (ER) membrane retention signal (KKXX-like motif), and a dileucine motif in the tail.

**Note**

For Research Use Only , Not for Diagnostic Use.