

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

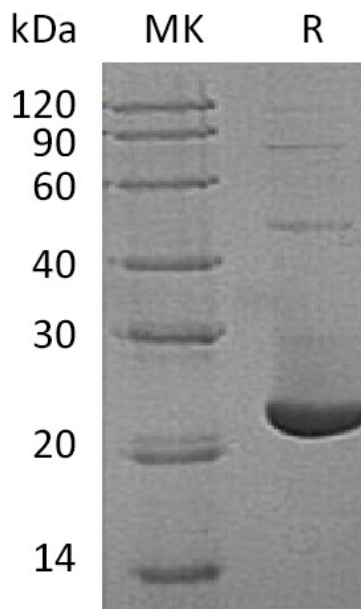


Summary

Name	Thioredoxin-related transmembrane protein 2/TMX2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q9Y320
Host	E.coli
Species	Human
Predicted Molecular Mass	21.9 KDa
Formulation	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.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	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

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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.