

## **Product datasheet for PH300032**

## OriGene Technologies, Inc.

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## TMX2 (NM\_015959) Human Mass Spec Standard

**Product data:** 

**Product Type:** Mass Spec Standards

**Description:** TMX2 MS Standard C13 and N15-labeled recombinant protein (NP\_057043)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

RC200032

or AA Sequence: Predicted MW:

34 kDa

Protein Sequence: >RC200032 protein sequence

Red=Cloning site Green=Tags(s)

MAVLAPLIALVYSVPRLSRWLAQPYYLLSALLSAAFLLVRKLPPLCHGLPTQREDGNPCDFDWREVEILM FLSAIVMMKNRRSITVEQHIGNIFMFSKVANTILFFRLDIRMGLLYITLCIVFLMTCKPPLYMGPEYIKY FNDKTIDEELERDKRVTWIVEFFANWSNDCQSFAPIYADLSLKYNCTGLNFGKVDVGRYTDVSTRYKVST SPLTKQLPTLILFQGGKEAMRRPQIDKKGRAVSWTFSEENVIREFNLNELYQRAKKLSKAGDNIPEEQPV

ASTPTTVSDGENKKDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Concentration:** >0.05 μg/μL as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3

**Storage:** Store at -80°C. Avoid repeated freeze-thaw cycles.

**Stability:** Stable for 3 months from receipt of products under proper storage and handling conditions.

**RefSeq:** NP 057043

RefSeq Size: 1741 RefSeq ORF: 888

Synonyms: CGI-31; NEDMCMS; PDIA12; PIG26; TXNDC14

**Locus ID:** 51075



UniProt ID: Q9Y320

Cytogenetics: 11q12.1

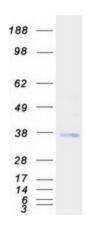
Summary: This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic

reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, one transmembrane domain and a C-terminal ER-retention sequence. This protein is enriched on the mitochondria-associated-membrane of the ER via palmitoylation of two of its

cytosolically exposed cysteines. [provided by RefSeq, Jan 2017]

**Protein Families:** Druggable Genome, Transmembrane

## **Product images:**



Coomassie blue staining of purified TMX2 protein (Cat# [TP300032]). The protein was produced from HEK293T cells transfected with TMX2 cDNA clone (Cat# [RC200032]) using MegaTran 2.0 (Cat# [TT210002]).