

## Product datasheet for PH300032

### 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:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200032
Predicted MW:	34 kDa
Protein Sequence:	>RC200032 protein sequence Red=Cloning site Green=Tags(s)  MAVLAPLIALVYSPRLSRWLAQPYYLLSALLSAAFLLVRKLPPLCHGLPTQREDGNPCDFDWREVEILM FLSAIVMMKNRRSITVEQHIGNIFMFSKVANTILFFRLDIRMGLLYITLCIVFLMTCKPPLYMGPEYIKY FNDKTIDEELERDKRVTWIVEFFANWSNDCQSFAPIYADLSLKYNCTGLNFGKVDVGRYTDVSTRYKYST SPLTKQLPTLILFQGGKEAMRRPQIDKKGRAVSWTFSEENVIREFNLNELYQRAKLSKAGDNIPEEQPV 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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<u><a href="#">NP_057043</a></u>
RefSeq Size:	1741
RefSeq ORF:	888
Synonyms:	CGI-31; NEDMCMS; PDIA12; PIG26; TXNDC14
Locus ID:	51075



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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]).