

Product datasheet for PH307480

TXNDC13 (TMX4) (NM_021156) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TMX4 MS Standard C13 and N15-labeled recombinant protein (NP_066979)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207480
Predicted MW:	38.8 kDa
Protein Sequence:	>RC207480 representing NM_021156 Red=Cloning site Green=Tags(s) MAGGRCGPQLTALLAAWI AAVAATAGPEEAALPPEQSRVQPM TASNWTLVMEGEWMLKFYAPWCPSCQQT DSEWEAFKNGEILQISVGKVDVIQEPGLSGRFFVTTLPAFFHAKDGI FRRYRGP GIGFEDLQNYILEKKW QSVEPLTGWKSPASLTMSGMAGLFSISGKIWHLHNYFTVTLGIPAWCSYVFFVIATLVFGLFMGLVLVVI SECFYVPLPRHL SERSEQNRRSEEAHRAEQLQDAEEEEKDSDNEEENKDSLVDDEEEKEDLGDEDEAEEMEE EEDNLAAGVDEERSEANDQGPPGEDGVTREEVEPEEAEEGISEQPCPADTEVVEDSLRQRKSQHADKGL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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>NP_066979</u>
RefSeq Size:	2368
RefSeq ORF:	1047
Synonyms:	DJ971N18.2; PDIA14; TXNDC13
Locus ID:	56255



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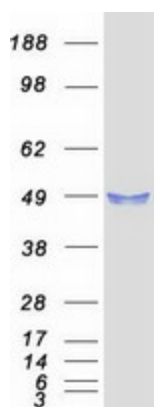
UniProt ID: [Q9H1E5](#)

Cytogenetics: 20p12.3

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 C-terminal ASP/GLU-rich calcium binding domain. Unlike most members of this gene family, it lacks a C-terminal ER-retention sequence. The encoded protein has been shown to have reductase activity in vitro. [provided by RefSeq, Jan 2017]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified TMX4 protein (Cat# [TP307480]). The protein was produced from HEK293T cells transfected with TMX4 cDNA clone (Cat# [RC207480]) using MegaTran 2.0 (Cat# [TT210002]).