

## Product datasheet for PH304771

### TIMM8A (NM\_004085) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TIMM8A MS Standard C13 and N15-labeled recombinant protein (NP_004076)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204771
Predicted MW:	11 kDa
Protein Sequence:	>RC204771 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MDSSSSSAAGLGAVDPQLQHFIEVETQKQRFQQLVHQMTELCWEKCMDKPGPKLDSRAEACFVNCVERF IDTSQFILNRLEQTQKSKPVFSESLSD  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
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:	<a href="#">NP_004076</a>
RefSeq Size:	1459
RefSeq ORF:	291
Synonyms:	DDP; DDP1; DFN1; MTS; TIM8
Locus ID:	1678
UniProt ID:	<a href="#">O60220</a>
Cytogenetics:	Xq22.1



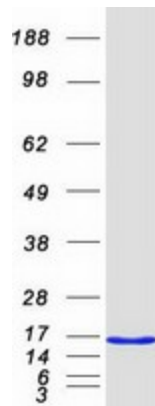
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**Summary:**

This translocase is involved in the import and insertion of hydrophobic membrane proteins from the cytoplasm into the mitochondrial inner membrane. The gene is mutated in Mohr-Tranebjaerg syndrome/Deafness Dystonia Syndrome (MTS/DDS) and it is postulated that MTS/DDS is a mitochondrial disease caused by a defective mitochondrial protein import system. Defects in this gene also cause Jensen syndrome; an X-linked disease with opticoacoustic nerve atrophy and muscle weakness. This protein, along with TIMM13, forms a 70 kDa heterohexamer. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Mar 2009]

**Protein Families:**

Druggable Genome

**Product images:**

Coomassie blue staining of purified TIMM8A protein (Cat# [TP304771]). The protein was produced from HEK293T cells transfected with TIMM8A cDNA clone (Cat# [RC204771]) using MegaTran 2.0 (Cat# [TT210002]).