

## Product datasheet for PH300389

### Torsin A (TOR1A) (NM\_000113) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TOR1A MS Standard C13 and N15-labeled recombinant protein (NP_000104)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200389
Predicted MW:	37.8 kDa
Protein Sequence:	>RC200389 protein sequence Red=Cloning site Green=Tags(s)

MKLGRAVLGLLLLAPSVVQAVEPISLGLALAGVLTGYIYPRLYCLFAECCGQKRSLSREALQKDLDDNLF  
GQHLAKKIILNAVFGFINNPKPKPLTLSLHGWTGTGKNFVSKI AENIYEGGLNSDYVHLFVATLHFPH  
ASNITLYKDQLQLWIRGNVSACARSIFIFDEMCKMHAGLIDAIKPFLDYDLDVGVSYQKAMFIFLSNAG  
AERITDVALDFWRSGKQREDIKLDIEHALSVSVFNKNKSGFWHSSLIHRNLIDYFVFPFLPLEYKHLKMC  
IRVEMQSRGYEIDEDIVSRVAEEMTFPPKEERVFSDKGCKTVFTKLDYYYDD

SGPTRTRPLEQKLI 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- <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_000104</a></u>
RefSeq Size:	2117
RefSeq ORF:	996
Synonyms:	AMC5; DQ2; DYT1
Locus ID:	1861



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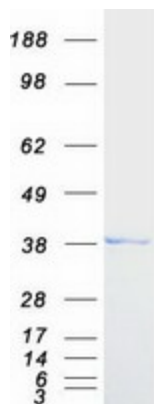
UniProt ID: [O14656](#), [B3KPA1](#)

Cytogenetics: 9q34.11

Summary: The protein encoded by this gene is a member of the AAA family of adenosine triphosphatases (ATPases), is related to the Clp protease/heat shock family and is expressed prominently in the substantia nigra pars compacta. Mutations in this gene result in the autosomal dominant disorder, torsion dystonia 1. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protease

### Product images:



Coomassie blue staining of purified TOR1A protein (Cat# [TP300389]). The protein was produced from HEK293T cells transfected with TOR1A cDNA clone (Cat# [RC200389]) using MegaTran 2.0 (Cat# [TT210002]).