

## Product datasheet for PH309053

### Tropomodulin 2 (TMOD2) (NM\_014548) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TMOD2 MS Standard C13 and N15-labeled recombinant protein (NP_055363)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209053
Predicted MW:	39.6 kDa
Protein Sequence:	>RC209053 protein sequence Red=Cloning site Green=Tags(s)  MALPFQKELEKYKNIDEDELGKLSSEELKQLENVLDLDPESAMLPAGFRQKDQTQKAATGPFDRHLL MYLEKEALEQKDREDFVPFTGEKKGRVFIPEKEPIETRKEEKVTLDPLEEEALASASDTELYDLAAVLGV HNLLNNPKFDEETANNKGGKGPVRNVVKGKVKPVFEPPNPTNVEISLQMKANDPSLQEVNLNINIKNI PIPTLREFAKALETNTHVKKFSLAATRSNDPVAIAFADMLKVNKTLTSLNIESNFITGTGILALVEALKE NDTLTEIKIDNRQQLGTAVEMEIAQMLEENSRIKFGYQFTKQGPRTVAAAITKNNDLVRKKRVEADR R  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- <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:	<a href="#">NP_055363</a>
RefSeq Size:	9186
RefSeq ORF:	1053
Synonyms:	N-TMOD; NTMOD
Locus ID:	29767



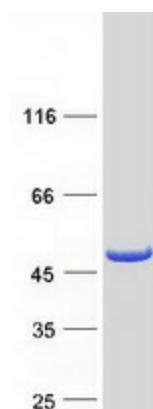
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UniProt ID: [Q9NZR1](#)

Cytogenetics: 15q21.2

**Summary:** This gene encodes a neuronal-specific member of the tropomodulin family of actin-regulatory proteins. The encoded protein caps the pointed end of actin filaments preventing both elongation and depolymerization. The capping activity of this protein is dependent on its association with tropomyosin. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Dec 2008]

### Product images:



Coomassie blue staining of purified TMOD2 protein (Cat# [TP309053]). The protein was produced from HEK293T cells transfected with TMOD2 cDNA clone (Cat# [RC209053]) using MegaTran 2.0 (Cat# [TT210002]).