

Product datasheet for PH327766

Tropomodulin 2 (TMOD2) (NM_001142885) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TMOD2 MS Standard C13 and N15-labeled recombinant protein (NP_001136357)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC227766
Predicted MW:	35.5 kDa
Protein Sequence:	>RC227766 representing NM_001142885 Red=Cloning site Green=Tags(s) MALPFQKELEKYKNIDEDELLGKLSEEELKQLENVLDLDPESAMLPAGFRQKDQTQKAATGPFDRHLL MYLEKEALEQKDREDFVPFTGEKKGRVFPKEKPIETRKEEKVTLDPLEEALASASDTELYDLAAVLGV HNLLNNPKFDEETANNKGGKGPVRNVVKGKVKPVFEPPNPTNVEISLQMKANDPSLQEVNLNNIKAF ADMLKVNKTLTSLNIESNFITGTGILALVEALKENDTLTEIKIDNQRQQLGTAVEMEIAQMLEENSRILK FGYQFTKQGPRTTRVAAAITKNNDLVRKKRVEADRR 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- 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:	NP_001136357
RefSeq ORF:	945
Synonyms:	N-TMOD; NTMOD
Locus ID:	29767
UniProt ID:	Q9NZR1

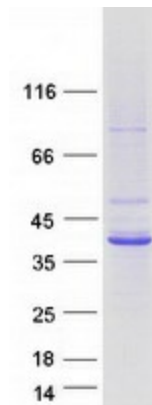


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Cytogenetics: 15q21.2

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# [TP327766]). The protein was produced from HEK293T cells transfected with TMOD2 cDNA clone (Cat# [RC227766]) using MegaTran 2.0 (Cat# [TT210002]).