

Recombinant Human TMOD2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TMOD2-5815H Lot. No. (See product label)

SPECIFICATION

Product Overview

TMOD2 MS Standard C13 and N15-labeled recombinant protein (NP_001136357) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

35.5 kDa

AA Sequence

MALPFQKELEKYKNIDEDELLGKLSEELKQLENVLDLDPESAMLPAGFRQKDQTQ
 KAATGPFDRHLLMYLEKEALEQKDREDFVPFTGEKKGRVFIPKEKPIETRKEEKVTL
 DPELEEALASASDTELYDLA AVLGVHLLNPKFDEETANNKGGKGPVRNVVKGEK
 VKPVFEEPPNPTNVEISLQQMKANDPSLQEVNLNNIKAFADMLKVNKTLTSLNIESNF
 ITGTGILALVEALKENDTLTEIKIDNQRQQLGTAVEMEIAQMLEENSRILKFGYQFTKQ
 GPRTRVAAAITKNNDLVRKKRVEADRRTRTRPLEQKLISEEDLAANDILDYKDDDDK
 V

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TMOD2 tropomodulin 2 [Homo sapiens (human)]
Official Symbol	TMOD2
Synonyms	TMOD2; tropomodulin 2 (neuronal); tropomodulin-2; NTMOD; neuronal tropomodulin; N-TMOD; MGC39481;
Gene ID	29767
mRNA Refseq	NM_001142885
Protein Refseq	NP_001136357
MIM	602928
UniProt ID	Q9NZR1

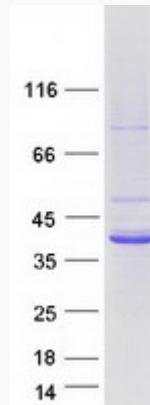
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SDS-PAGE



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