

## Product datasheet for **TP301134L**

### Tropomodulin 1 (TMOD1) (NM\_003275) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human tropomodulin 1 (TMOD1), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC201134 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSYRRELEKYRDLDEDKILGALTEELRTLLENELDELDPDNALLPAGLRQKDQTTKAPTGPFKREELLDH  
LEKQAKEFKDREDLVPYTGEKRGKVVWPKQKPLDPVLESVTLEPELEEALANASDAELCDIAAILGMHTL  
MSNQYYQALSSSSIMNKEGLNSVIKPTQYKVPDEEPNSTDVEETLERIKNNDPKLEEVNLNINIRNIPI  
PTLKAYAEALKENSIVKFSIVGTRSNPVAAYALAEMLKENVLKLTLNVESNFISGAGILRLVEALPYNT  
SLVEMKIDNQSQPLGNKVEMEIVSMLEKNATLLKFGYHFTQQGPRLRASNAMMNNNDLVRKRRRLADLTGP  
IIPKCRSGV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 40.4 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_003266](#)

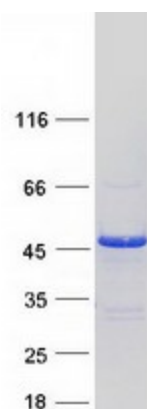
**Locus ID:** 7111



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UniProt ID:	<a href="#">P28289</a>
RefSeq Size:	3352
Cytogenetics:	9q22.33
RefSeq ORF:	1077
Synonyms:	D9S57E; ETMOD; TMOD
Summary:	This gene encodes a member of the tropomodulin family. The encoded protein is an actin-capping protein that regulates tropomyosin by binding to its N-terminus, inhibiting depolymerization and elongation of the pointed end of actin filaments and thereby influencing the structure of the erythrocyte membrane skeleton. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Oct 2009]

### Product images:



Coomassie blue staining of purified TMOD1 protein (Cat# [TP301134]). The protein was produced from HEK293T cells transfected with TMOD1 cDNA clone (Cat# [RC201134]) using MegaTran 2.0 (Cat# [TT210002]).