

# Recombinant Human TMOD1 protein, T7-tagged

**Cat. No.** TMOD1-175H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human TMOD (359aa) fused with T7 Tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 359 a.a.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | 0.2 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MASMTGGQQMGRGEFMSYRRELEKYRDLDEDEILGALTEEELRTLLENELDELDPDN<br>ALLPAGLRQKDQTTKAPTG PFKREELLDHLEKQAKEFKDREDLVPYTGEKRGKVV<br>VPKQKPLDPVLESVTLEPELEEALANASDAELCDIAAIL GMHTLMSNQYYQALSSS<br>SIMNKEGLNSVIKPTQYKVPDEEPNSTDVEETLERIKNNDPKLEEVNLLNIRNIPI PT<br>LKAYAEALKENSIVKKFSIVGTRSNDPVAYALAEMLKENKVLKTLNVESNFISGAGIL<br>RLVEALPYNTSLVEM KIDNQSQPLGNKVEMEIVSMLEKNATLLKFGYHFTQQGPRL<br>RASNAMMNNNDLVRKRRLADLTGPIIPKCRSGV |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>     | 1. May be used for in vitro COP9 signalosome (CSN) regulation study with intracellular protein delivery of this protein.2. As soluble/native protein, may be used as enzymatic substrate protein for ubiquitin assay.3. May be used for mapping                                                                                                                                                                   |

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protein–protein interaction assay development.4. May be used as antigen for specific antibody development and potential cancer diagnostic development.

**Storage**

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

## GENE INFORMATION

**Gene Name** [TMOD1 tropomodulin 1 \[ Homo sapiens \]](#)

**Official Symbol** [TMOD1](#)

**Synonyms** TMOD1; tropomodulin 1; D9S57E, TMOD; tropomodulin-1; ETMOD; E-Tmod; e-tropomodulin; erythrocyte tropomodulin; TMOD; D9S57E;

**Gene ID** [7111](#)

**mRNA Refseq** [NM\\_001166116](#)

**Protein Refseq** [NP\\_001159588](#)

**MIM** [190930](#)

**UniProt ID** [P28289](#)

**Chromosome Location** 9q22

**Pathway** Muscle contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem;

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|                 |                                     |
|-----------------|-------------------------------------|
| <b>Function</b> | actin binding; tropomyosin binding; |
|-----------------|-------------------------------------|

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