

## Product datasheet for SC326926

### Tropomodulin 1 (TMOD1) (NM\_001166116) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tropomodulin 1 (TMOD1) (NM_001166116) Human Untagged Clone
Tag:	Tag Free
Symbol:	Tropomodulin 1
Synonyms:	D9S57E; ETMOD; TMOD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326926 representing NM_001166116. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCGTACAGACGAGAAGCTAGAGAAATACCGTGACCTGGATGAAGATGAAATCCTTGGAGCCCTAAC
GAGGAAGAGCTGAGGACCCTGGAAAATGAGCTGGATGAGCTGGACCCTGATAATGCACTGCTGCCTGCA
GGCCTGAGGCAGAAGGATCAGACCACCAAGGCCCCACGGGCCCTTTAAAAGAGAGGAGCTCTGGAT
CACTTGGAAAAGCAAGCAAAGGAGTTTAAAGACCAGAGAAGATCTGGTCCCCTACACAGGGGAAAAACGA
GGAAAGGTCTGGTTCTAAGCAGAAGCCACTGGATCCTGTGCTGAAAGTGTGACGCTGGAACCGGAG
CTGGAGGAAGCCTTGGCAAATGCTTCAGATGCAGAACTCTGTGACATTGCAGCGATCCTGGGCATGCAC
ACGCTCATGAGTAACCAGCAGTACTACCAGGCCCTGAGCAGCAGCTCCATCATGAACAAGGAGGGGCTC
AACAGCGTGATTAACCCACACAATACAAGCCTGTGCCCGACGAAGAACCAAATTC AACAGACGTAGAG
GAAACGCTGGAACGGATAAAGAACAACGACCCAAAACCTGAAGAAGTTAACCTCAATAATATCCGGAAT
ATCCCCATCCCCACCCTCAAGGCATATGCAGAAGCCCTGAAAGAAAACCTCATATGTGAAGAAGTTCAGC
ATCGTGGGACACGGAGTAATGACCCCGTGGCGTATGCCCTTGTGAGATGCTCAAGGAGAACAAGGTG
TTGAAGACTGAATGTGGAATCCAACCTCATTCTGGAGCTGGGATTCTGCGCCTGGTAGAAGCCCTC
CCATACAACACTTCTCTGGTGGAAATGAAAATTGACAACCAGAGCCAGCCCTGGGCAACAAAGTGGAA
ATGGAGATTGTGAGCATTTGGAAAAAACGCAACTTCTCAAATTCGGCTACCACTTTACCCAGCAA
GGACCCGGCTTCGGGCATCCAACGCAATGATGAACAACAATGACCTTGTGAGGAAGAGGAGGCTTGGC
GACCTGACTGGGCCATCATTCCCAAGTGCCGGAGTGGTGTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001166116



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<b>Insert Size:</b>	1080 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001166116.1</a>
<b>RefSeq Size:</b>	3275 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	7111
<b>UniProt ID:</b>	<a href="#">P28289</a>
<b>Cytogenetics:</b>	9q22.33
<b>MW:</b>	40.6 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>