

## Product datasheet for **SC323920**

### Tropomodulin 3 (TMOD3) (NM\_014547) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tropomodulin 3 (TMOD3) (NM_014547) Human Untagged Clone
Tag:	Tag Free
Symbol:	Tropomodulin 3
Synonyms:	UTMOD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_014547.3  
 GGGAGCTGCTGGCGGGTGGTCTGGCAACTCTTTGGGAGGCCGACGGGGGACCGGGC  
 GGTGCTGGGAACCGAGCCTCGGCTTGC GGCCGGCAGTTTCCGTGGGTCTGTGAAGAGGTC  
 GGCGGCCCTGCGGGCGCCAGTCAGCTTTAAGAAAAAGTAGAGATCACTTCTGACTGTAC  
 TGAACAGCAAAAATTAAGTGACTTGCTGCCCTGCACATCATGGCACTGCCATTCGTAAG  
 GACTTAGAAAAAGTACAAAGACCTTGATGAAGATGAGCTCCTTGGGAATCTGTCAGAAACA  
 GAACTGAAACAACCTGAAACTGTTTTGGATGATCTTGACCCCGAGAATGCCCTTCTGCCT  
 GCAGGTTCCGGCAGAAGAACCAGACATCAAAGTCCACCACAGGGCCATTTGATAGAGAG  
 CATCTCCTTTCATATCTGGAGAAAAGAAGCATTGGAGCATAAAGACAGGGAAGACTATGTG  
 CCCTACACTGGAGAAAAAAAAGGAAAAATTTATCCCCAAACAGAAACCTGTACAGACT  
 TTTACAGAAGAAAAAGTGTCTTGTATCCAGAATTAGAAGAAGCTTTGACAAGTGCTTCT  
 GATACAGAATTGTGTGACCTCGCAGCAATCTTGGGATGCACAATTTGATAACGAATACA  
 AAGTTCTGTAATAAATGGGAAGTAGTAATGGTGTGACCAAGAACATTTTTCAAATGTG  
 GTCAAAGGTGAAAAGATTCTCCGGTATTTGATGAGCCACCAATCCAACCAATGTAGAA  
 GAGAGTTTGAAGAGAACTAAAGAAAACGATGCTCATCTTGTGAAGTTAATTTGAATAAT  
 ATAAAGAATATCCCAATTCACCCCTAAAAGATTTTGCAAAGGCTTTGGAACCAACACA  
 CATGTGAAATGTTTCAGTCTTGCAGCCACCCGGAGCAATGACCCTGTTGCTACTGCTTTT  
 GCAGAAATGCTGAAAGTGAACAAAACCTTTGAAGAGCTTAAATGTGGAGTCCAACCTTATC  
 ACGGGAGTTGGGATTCTGGCACTGATTGATGCGTTAAGAGATAATGAAACCTGGCAGAG  
 CTCAAGATTGACAATCAGAGGCAGCAGTTGGGGACAGCTGTAGAATTGGAATGGCCAAG  
 ATGCTTGAGGAAAATACAAATATCCTTAAATTTGGATATCAGTTTACACAGCAGGGACCA  
 CGAACCCAGAGCAGCTAATGCTATAACAAAAACAATGACTTAGTGCCTAAGAGACGAGTT  
 GAAGGAGATCACCAGTAAGTCTGCAAAGGTGTAATCTTTGGAAGACTTCAGAAGATCACC  
 AAGGGCTCATGTTGGTGACATCATGTAATAATTTCTGGGTAGAAGGAAAAAGACTGGAA  
 AATTTTTTTTGTGACATGCATTTTTTTTTTGTGTTATCAAATTGTAATAATCAGTAAT  
 GTGATATTTTATATTCTGAAACATTTCTACTTTCTGCTAAAAATCAATTTAATTTAGTTT  
 AATTGAATGATTTATGATGAATCTTGGGCAAAAAAATACAACCTGTAATAATTTTACAGG  
 TCATTTGTGTAGAATAATTTGAACATTGTGAGGACCAATCTTTTTTAAATCAAAGGGAT  
 GTTGTGATCAGAATTGTTATTGCTTCAATTTAGACATAAAACACTTAAGTGTTTTCTT  
 CACTCCGTGACCTGGAGAGTTTTCCATTTTTTAAATACATGAACCTGGCAAGGGTGTGA  
 TTTTTCTTTATCAAGAGAACAAAATGCCAGAATGTTAAAACAGTTAACTCAAATCTAGT  
 CATCTGTGTAGGAGCTAAAGCAGGTCTCCAGGGAGAGAGGGTGGTCGTCTGTGCATTCCA  
 GGTACTGCACCTGTCTGATGTGACGTAGCAACACCCAGGTCTTCTTAAAACAAAGTCAT  
 CAGCTTTGCCAGGTTACATACTTTATTTAAAAGTATAGTGAGGTGCAAGTTCATTCCAGT  
 GTTTCATTTTAAATGTGGCATTATTAATTTTTTGTGGAAGCTAATAGTAAAAAATAA  
 AAGCTGTTTTTACCACCTCCCTCCCCACCCCAAAAAAGGCGTACAGCCAACCTTATGT  
 TATTTAGGGTAAGAGAAAAAATTTTTTTTTT

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_014547

**OTI Disclaimer:** 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).

**OTI Annotation:** 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>	<u><a href="#">NM_014547.3</a></u> , <u><a href="#">NP_055362.1</a></u>
<b>RefSeq Size:</b>	2130 bp
<b>RefSeq ORF:</b>	1059 bp
<b>Locus ID:</b>	29766
<b>UniProt ID:</b>	<u><a href="#">Q9NYL9</a></u>
<b>Cytogenetics:</b>	15q21.2
<b>Domains:</b>	Tropomodulin
<b>Gene Summary:</b>	Blocks the elongation and depolymerization of the actin filaments at the pointed end. The Tmod/TM complex contributes to the formation of the short actin protofilament, which in turn defines the geometry of the membrane skeleton (By similarity).[UniProtKB/Swiss-Prot Function]