

## Product datasheet for **SC108277**

### 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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108277 sequence for NM_014547 edited (data generated by NextGen Sequencing)

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ATGGCACTGCCATTCCGTAAGGACTTAGAAAAGTACAAGACCTTGATGAAGATGAGCTC
CTTGGAATCTGTGAGAACAGAACTGAAACAACCTGGAACTGTTTTGGATGATCTTGAC
CCCAGAAATGCCCTTCTGCCTGCAGGGTCCGGCAGAAGAACCAGACATCAAAGTCCACC
ACAGGGCCATTTGATAGAGAGCATCTCCTTTCATATCTGGAGAAAAGAAGCATTGGAGCAT
AAAGACAGGGAAGACTATGTGCCCTACACTGGAGAAAAAAGGGAAAATATTTATCCCC
AAACAGAAACCTGTACAGACTTTTACAGAAGAAAAAGTGTCTCTTGATCCAGAATTAGAA
GAAGCTTTGACAAGTGCTTCTGATACAGAATTGTGTGACCTCGCAGCAATTCTTGGGATG
CACAATTTGATAACGAATACAAAGTTCTGTAATATAATGGGAAGTAGTAATGGTGTGAC
CAAGAACATTTTTCAAATGTGGTCAAAGGTGAAAAGATTCTCCGGTATTTGATGAGCCA
CCAAATCCAACCAATGTAGAAGAGAGTTTGAAGAGAACTAAAGAAAACGATGCTCATCTT
GTTGAAGTTAATTTGAATAATATAAAGAATATCCAATCCAACCCATAAAGATTTTGCA
AAGGCTTTGGAAACCAACACACATGTGAAATGTTTCAGTCTTGCAGCCACCCGGGCAAT
GACCCTGTTGCTACTGCTTTTGCAGAAATGCTGAAAGTGAACAAAACCTTTGAAGAGCTTA
AATGTGGAGTCCAACCTTATCACGGGAGTTGGGATTCTGGCACTGATTGATGCGTTAAGA
GATAATGAAACCTGGCAGAGCTCAAGATTGACAATCAGAGGCAGCAGTTGGGGACAGCT
GTAGAATTGAAAATGGCCAAGATGCTTGAGGAAAAATACAAATATCCTTAAATTTGGATAT
CAGTTTACACAGCAGGGACCACGAACCAGAGCAGCTAATGCTATAACAAAAACAATGAC
TTAGTCCGTAAGAGACGAGTTGAAGGAGATCACCAGTAA

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Clone variation with respect to NM\_014547.4



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_014547 unedited GTCAACTTTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGCTGCTGGCGG GTGGGTCTGGCAACTCTTTGGGAGGCCGACGCGGGCGGACCGGCGGGTGTGGGAACCGA GCCTCGGCTTGC GGCCGGCAGTTTCCGTGGGTCTGTGAAGAGGTCGGCGGCCCTGCGGG CGCCAGTCAGCTTTAAGAAAAAGTAGAGATCACTTCTGACTGACTGAACAGCAAAAATT AAGTGACTTGCTGCCCTGCACATCATGGCACTGCCATTCCGTAAGGACTTAGAAAAATAC AAAGACCTTGATGAAGATGAGCTCCTTGGGAATCTGTCAGAAACAGAAGTAAACAACTG GAAACTGTTTTGGATGATCTTGACCCCGAGAATGCCCTTCTGCCTGCAGGGTTCCGGCAG AAGAACCAGACATCAAAGTCCACCACAGGGCCATTTGATAGAGAGCATCTCCTTTCATAT CTGGAGAAAGAAGCATTGGAGCATAAAGACAGGGAAGACTATGTGCCCTACACTGGAGAA AAAAAAGGAAAAATTTATCCCAACAGAACTGTACAGACTTTTACAGAAGAAAA GTGTCTCTTGATCCAGAATTAGAAGAAGCTTTGACAAGTGCTTCTGATACAGAATTGTGT GACCTCGCAGCAATTCTGGGATGCACAATTTGATAACGAATACAAAGTCTGTAATATA ATGGGAAGTAGTAATGGGTGTTGACCAAGAACATTTTTCAAATGTGGTCAAAGGTGAAAA GATTCTTNCGGTATTTGATGAGCCACCAATCCAACCATGTAGAAGAGAGTTTTGAGAGA CTAAGAAACGATGCTCACTCTGGTGAAAGTAAATTNNGATATATNAAAGATATCCNATT NNCACCCCTANAGATTTGCAAAGCTTTGGAACCACACTGTGAATG
<b>Restriction Sites:</b>	ECoRI-NOT
<b>ACCN:</b>	NM_014547
<b>Insert Size:</b>	4700 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>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_014547.3</a> , <a href="#">NP_055362.1</a>
<b>RefSeq Size:</b>	2130 bp
<b>RefSeq ORF:</b>	1059 bp
<b>Locus ID:</b>	29766
<b>UniProt ID:</b>	<a href="#">Q9NYL9</a>
<b>Cytogenetics:</b>	15q21.2
<b>Domains:</b>	Tropomodulin

**Gene Summary:**

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]