

## Product datasheet for **SC313641**

### TOM1L2 (AF467441) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TOM1L2 (AF467441) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOM1L2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AF467441, the custom clone sequence may differ by one or more nucleotides ATGGGGGCCCGGGCCGCTGCGTGTGTCCACCCAAGATGGAGTTCCTCCTGGGGAACCCG TTCAGCACAGCAGTGGGGCAGTGCCTCGAAAAGGCAACAGATGGCTCCCTGCAAAGTGAG GATTGGACGTTGAATATGGAGATCTGTGACATCATCAATGAGACGGAGGAAGGGCCAAAG GATGCCATTCGAGCCCTGAAGAAGCGGCTCAACGGGAACCGGAACACAGAGAGGTGATG CTGGCATTAAAGTGTGGAGACATGTGTGAAGAACTGTGGCCACCGCTCCACATCCTT GTGGCCAAACCGAGATTTTCATCGACAGTGTCTGGTCAAGAATTATATCTCCCAAGAACAA CCCTCCCACCATTGTACAGGACAAAGTGTCTGTATCCAGAGTGTCCCGTGAAGTG GATCCAGCTGCGAGCATGCCAGGTCCCAATCACAGCAGAGGACAAGTGCTGGTTCTAT TCCTCGCCGCTCCTGCTCCCTACTCCGCACCGCAGGCCCRGCTCTGAGTGTGACKGGC CCCATCACAGCCAATTCAGAACAGATTGCCAGGCTGCGGAGTGAAGTGGACGTCGTTTCA GGAAACACAAAAGTCATGTCTGAGATGTTAACAGAAATGGTCCCTGGACAGGAGATTCA TCTGATCTGGAGTTGCTGCAGGAGCTCAACAGGACCTGTCGGGCCATGCAGCAGCGCATC GTGGAGCTCATCTCCCGAGTGTCCAATGAGGAGGTCAACGAGGAGCTGCTGCACGTCAAC GATGACCTCAACAATGTCTTCTCCGCTATGAGAGGTTTCGAGAGGTACAGGTCCGGCCGA TCCGTTTCAAGATGCCAGCAATGGAGTACTAAGCGAAGTACTGAAGACAACCTACTAGAC CTGGGCCCCGGATCCCCGCTGTGGTTAGCCCCATGGTGGGGAGCACAGCACCCCATCT TCCTCTCCTCCCAGCTTGCAGGCTTAGACTTGGGGACAGAGAGCGTCAGTGGCACCCCTC AGTTCACTCCAGCAATGTAATCCCCGTGACGGCTTTGACATGTTTGCCCAGACGAGAGGA AACTCCTTGGCTGAGCAGCGCCAGACGGTAACCTATGAGGATCCTCAGGCTGTGCGAGGA CTTGCTTCTGCTAGACAATCGAAAACAGAGTTCAGAAGGGATCCCCGTTGCGCAGCCA TCTGTCATGGACGACATTGAGGTGTGGCTCAGGACCGACCTGAAGGGTGTGATCTGGAG GAGGGTGTCAAGTGAAGAGTTTGATAAATCCTGGAAGTAAGAGCCAAAGCTGCTGAA ATGGTTACGACCTCCCCTCGCCCCCATGGAGGCTCTGCCACGCTCAAACCTTCT GGCCGGAAGAAGCCAGAGCGGTGAGAGGATGCCCTCTTCGCCCTG
Restriction Sites:	Please inquire
ACCN:	AF467441



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<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="#">AF467441.1</a> , <a href="#">AAL78338.1</a>
<b>RefSeq Size:</b>	1903 bp
<b>RefSeq ORF:</b>	1428 bp
<b>Locus ID:</b>	146691
<b>Cytogenetics:</b>	17p11.2
<b>Domains:</b>	VHS, GAT
<b>Gene Summary:</b>	This gene belongs to a small gene family whose members have an N-terminal VHS domain followed by a GAT domain; domains which typically participate in vesicular trafficking. The canonical protein encoded by this gene also has a C-terminal clathrin binding motif. This protein has been shown to interact with Tollip, clathrin and ubiquitin and is thought to play a role in endosomal sorting. This gene resides in the 3.7 Mb deletion of chromosome region 17p11.2 that is associated with Smith-Magenis syndrome. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Apr 2017]