

## Product datasheet for **SC107358**

### TMUB1 (NM\_031434) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMUB1 (NM_031434) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMUB1
Synonyms:	C7orf21; DULP; HOPS; SB144
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107358 sequence for NM_031434 edited (data generated by NextGen Sequencing)

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ATGACCCCTGATTGAAGGGTGGGTGATGAGGTGACCGTCCTTTCTCGGTGCTTGCTGC
CTTCTGGTGCTGGCCCTTGCCTGGGTCTCAACGCACACCGCTGAGGGCGGGGACCCACTG
CCCCAGCCGTCAGGGACCCCAACGCCATCCCAGCCCAGCGCAGCCATGGCAGCTACCGAC
AGCATGAGAGGGGAGGCCCCAGGGGACAGAGACCCCGCCTGAGACACAGAGGTCAAGCT
GCACAGCCAGAGCCAGCACGGGGTTCACAGCAACACCGCCAGCCCGGACTCCCGCGAG
GAGCCCCCTCGTGCTACGGCTGAAATTCCTCAATGATTGAGAGCAGGTGGCCAGGGCCTGG
CCCCACGACACCATTGGCTCCTTAAAAGGACCCAGTTTCCCGGCCGGGAACAGCAGGTG
CGACTCATCTACCAAGGGCAGCTGCTAGGCGACGACACCCAGACCCTGGGCAGCCTTCAC
CTCCCTCCCAACTGCGTTCTCCACTGCCACGTGTCCACGAGAGTCGGTCCCCCAAATCCC
CCCTGCCCGCCGGGTCCGAGCCCGGCCCTCCGGGCTGGAAATCGGCAGCCTGCTGCTG
CCCCTGCTGCTCCTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG
TTTCCCCTGACCGCCACTCTGGGCTGGCCGGCTTACCCTGCTCCTCAGTCTCCTGGCC
TTTGCCATGTACCGCCCGTAG

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Clone variation with respect to NM\_031434.3



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_031434 unedited</p> <p>TATTTTGTAAACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGTGCCCGAGGGC  CGCGATGGAGCTGGGGGAGCCGGGCGCTCGGTAGCGCGGCGGGCAAGGCAGGCGCCATGA  CCCTGATTGAAGGGTGGGTGATGAGGTGACCGTCCTTTTCTCGGTGCTTGCCCTGCCTTC  TGGTGTGGCCCTTGCCCTGGGTCTAACGCACACCGCTGAGGGCGGGGACCCACTGCCCC  AGCCGTGAGGGACCCCAACGCCATCCCAGCCCAGCGCAGCCATGGCAGCTACCGACAGCA  TGAGAGGGGAGGCCCCAGGGGCAGAGACCCCGCCTGAGACACAGAGGTCAAGTGCAC  AGCCAGAGCCCGACGACGGGTTACAGCAACACCGCCAGCCCGGACTCCCCGCAGGAGC  CCCTCGTGCTACGGCTGAAATTCCTCAATGATTAGAGCAGGTGGCCAGGGCCTGCCCCC  ACGACACCATTGGCTCCTTGAAGAGGACCCAGTTTCCCGCCGGGAACAGCAGGTGCGAC  TCATCTACCAAGGGCAGCTGCTAGGCGACGACCCAGACCCCTGNGCAGCCTTACCTCC  CTCCAACTGCGTTCTCCACTGCCACGTGTCCACGAGAGTCGGTCCCCAAATCCCCCT  GCCCGCCGGGTCGAGCCCGGCCCTCCGGGCTGAAATCGGCAGCCTGCTGCTGCCCC  TGCTGCTCCTGCTTGTGCTGCTCTGGTACTGCCAGATCCAGTACCGGCCCTTTCTTC  CCCTGACCGNACTCTGGCCTGGCCGGCTTGACCTGCTNCTCAGTCTCCTGGCCTTTG  CCATGTACCGNCCGTANTGCCTCCGCNGGCGCTTGGCAGCGTCGCGGGGCCCTTCGGACT  TGCTCCCGCGCCGCGNGGAGCTGNTGCTGCCAGCCNCTNNTCGGNCTGCNTTNCGCT  GCCTGNAGCCANCCTGC</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_031434 unedited</p> <p>CAGTTACTGTTAANCTGCACGGGTTCCGGGGAACTCCTCTGCCCTCCCCGCTCCCCT  TCACCAGCCTCCCACCGACTGGCGTCCCAACTCAGCCCAAGGAGCTGTCAGGGATTGG  AGGCGGCTGGGTCTCCGGCAGAACTAAGACGGGCCCCCGGGGCGGCCGGCTCTGCC  CGGGCCGAGGCAGCAGCAGATGCCCGACCCGAGGAGCCACTCCCAGTGCGGGCT  GAGGGTACGACGCCCCGGGAGGTGGCCCCGAGCCCCGGCGGTTCGATGGCGGGGCTCCG  CCAGTCCCAGGAGTACTCTGCGGCAGGGCTGGGCTCCAGGGCAGCGGGAAGAGGCAGG  CCGGAGAGGCGGGCTGGGCAGGCAGCAGCTCCCGTCGCGGCGCGGTGAGCAAGGCCCG  AGGGGCCGGCAGCAGCTGCCAAGCGCCCGCTGAAGCACTACGGGCGGTACATGGCACAGGC  CAGGAGACCGAGGAGCAGGGTGAAGCCGGCCAGGCCAGAGTGGTGTGAGGTGAAAAGA  AGGGCCGGTACTTGGATCTGGCAGTACCAGAGCAGCAGCAACAGCAGGAAGCAGACGTGC  AGCAGCAGGCTGCCGATCTCCAGCCCCGAGGGGCGGGCTCGGACCCCGCTGGCAGGGGG  GAATTGTGCGACCCACTCTCGGGCCACTGGCAGGTGAAAACCGATTTGGGAGGGAGGTG  AAGGTTGCCAGGGCCGGGCGTGTTCGCTACCACTGCCCTTGAAACAGATTCCACCT  GGTGTTCGCGCCGGAACCTGGGCCCTTTTAAAGTACCCAATGTTGTCCGGGGCCAG  TCCCTGTCCCCTGGTTTGGATATTGAAGCATTCTATCCGAACACTAGGGCTCCTCGCGGT  ATTCCGGGCTGCGGGTCTCTGGACACCTTTTGGGCTTTGTGGGCATCGCCCCGCCCA  CGCGGGGTCCGCTCGGGCCCCCCCCCGCGCCG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_031434
<b>Insert Size:</b>	1410 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_031434.2</a> , <a href="#">NP_113622.1</a>
<b>RefSeq Size:</b>	1494 bp
<b>RefSeq ORF:</b>	741 bp
<b>Locus ID:</b>	83590
<b>UniProt ID:</b>	<a href="#">Q9BVT8</a>
<b>Cytogenetics:</b>	7q36.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>Involved in sterol-regulated ubiquitination and degradation of HMG-CoA reductase HMGCR (PubMed:21343306). Involved in positive regulation of AMPA-selective glutamate receptor GRIA2 recycling to the cell surface (By similarity). Acts as negative regulator of hepatocyte growth during regeneration (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) is the longer transcript. Variants 1 and 2 encode the same protein.</p>