

## Product datasheet for **SC324835**

### TMUB1 (NM\_001136044) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMUB1 (NM_001136044) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMUB1
Synonyms:	C7orf21; DULP; HOPS; SB144
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324835 representing NM_001136044. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGACCCTGATTGAAGGGTGGGTGATGAGGTGACCGTCCTTTTCTCGGTGCTTGCCCTGCCTTCTGGTG
CTGGCCCTTGCTGGGTCTCAACGCACACCGCTGAGGGCGGGGACCCACTGCCCCAGCCGTCAGGGACC
CCAACGCCATCCCAGCCCAGCGCAGCCATGGCAGCTACCGACAGCATGAGAGGGGAGGCCCCAGGGGCA
GAGACCCCGAGCCTGAGACACAGAGGTCAAGCTGCACAGCCAGAGCCAGCACGGGGTTACAGCAACA
CCGCCAGCCCGGACTCCCGCAGGAGCCCTCGTGCTACGGCTGAAATTCCTCAATGATTCAGAGCAG
GTGGCCAGGGCCTGGCCCCACGACACCATTTGGCTCCTTAAAAGGACCCAGTTTCCCGGCCGGGAACAG
CAGGTGCGACTCATCTACCAAGGGCAGCTGCTAGGCGACGACACCAGACCCTGGGAGCCCTTACCTC
CCTCCAACTGCGTTTCTCCACTGCCACGTGTCCACGAGAGTCGGTCCCCAAATCCCCCTGCCCGCG
GGTCCGAGCCCGGCCCTCCGGGCTGAAATCGGCAGCCTGCTGCTGCCCTGCTGCTCCTGCTGTTG
CTGCTGCTCTGGTACTGCCAGATCCAGTACCGGCCCTTTTCCCTGACCGCCACTCTGGGCTGGCC
GGCTTACCCTGCTCCTCAGTCTCCTGGCCTTTGCCATGTACCGCCGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001136044
Insert Size:	741 bp



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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>	<u><a href="#">NM_001136044.1</a></u>
<b>RefSeq Size:</b>	1347 bp
<b>RefSeq ORF:</b>	741 bp
<b>Locus ID:</b>	83590
<b>UniProt ID:</b>	<u><a href="#">Q9BVT8</a></u>
<b>Cytogenetics:</b>	7q36.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	26.3 kDa
<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 (2) has an alternate 5' UTR exon, as compared to variant 1. Variants 1 and 2 encode the same protein.</p>