

## Product datasheet for MC227483

### Tmub2 (NM\_001302506) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmub2 (NM\_001302506) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tmub2  
**Synonyms:** 2010008E23Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227483 representing NM\_001302506  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTCCTCCCCTTCTGCCGCGGCGCAACCTGGCCCTTTTATTTAAAGATTACGTTTACGTCAGTCCGC  
 CTTACGTAGCTTTGCGTCATCAGTACAAGCGGGGAGCGGGACTTCTGTCTGGATGTTAACAGCTTC  
 CGAGAAAAGCCGGAAGAGATCGGACCCTGGACAGAATCCTGAGTTGCCAGCCCTCCCCTGACCCCTACG  
 GAAAGAGAACTACAAAGACTGTCCTGGCGAAGTCAAACATTTATCCTGGCTTTGTGAGCGTGGACCCAG  
 TCAGCAGCCAGGCCATGGAGCTCTGATGTACCCCTCATTGAGGGTGTGGGTAACGAGGTGATGGTGGT  
 AGCAGGGTGGTGGCGCTGACTCTAGCCCTGGTCTAGCCTGGCTCTCCACCTATGTAGCAGACAGTGGT  
 AACACCAGCTGCTGGGCACCATTTGTGTGAGCAGGTGACACGTCTGTTCTCCACCTGGGCCATGTGGACC  
 AGCTGGTAAACCAAGGCACTCCAGAGCCAACCGAACACCCCATCCATCAGGGGGCAATGATGACAAGGC  
 TGAAGAGACCAGTGACAGTGGGGGAGACGCCACTGGAGAACCTGGAGCTAGGGGAGAGATGGAGCCCAGC  
 CTGGAGCATCTCCTGGACATCCAAGGCTGCCTAAAAGGCAAGCAGGCCCTGGGGAGCAGTCGCCCAGAAG  
 CCCCGTGGGGTTAGATGATGGCTCTGCCTCTCCAGCCCAAGCCTCATCAATGTTCCGCTCAAGTT  
 CCTCAATGACACCGAGGAGCTAGCTGTGGCCAGGCCAGGACACTGTGGGTACCCTAAAAAGCAAATAC  
 TTCCCTGGACAAGAGAGCCAAATGAAGTTGATCTACCAGGGTCGGCTGCTGCAGGACCCAGCAGCACAC  
 TGAGTTCCCTGAACATTACCAACAACCTGCGTGATCCACTGCCACCGCTCACCCCAAGGGGAGCAGTTC  
 TGGCCCTCAGCCTCCTTGACCCCAACCACTGAGCAATCTAGCCTTGGTGTCAACGTGGGCAGCCTCATG  
 GTGCTGTGTTTGTGGTCTCTGGGTGTGGTCTGGTACTTCCGTATCAATTACCGCCAGTTCCTCACTG  
 GACCTGCCACTATCTCCTGGTTGGAGTACAGCTTCTTCAGCATCCTGGTATTTGGGATGATGGAAG  
 ATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001302506
<b>Insert Size:</b>	1194 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001302506.1</a> , <a href="#">NP_001289435.1</a>
<b>RefSeq Size:</b>	2200 bp
<b>RefSeq ORF:</b>	1194 bp
<b>Locus ID:</b>	72053
<b>UniProt ID:</b>	<a href="#">Q3V209</a>
<b>Cytogenetics:</b>	11 D
<b>Gene Summary:</b>	<p>This gene encodes a predicted multi-pass membrane protein that features a C-terminal ubiquitin-related domain. This gene may be expressed in cone photoreceptors in the retina. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and the 5' coding region, and uses an alternate start codon, compared to variant 1. The resulting isoform (2) has a longer and distinct N-terminus, compared to isoform 1.</p>