

## Product datasheet for **RC237050**

### **TMEM117 (NM\_001286211) Human Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: TMEM117 (NM\_001286211) Human Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: TMEM117  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RC237050 representing NM\_001286211  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTAAGACTTTTCGTTACTATTTCCAGCATCCCTGGTCTCGCATGATTGTGGCTTACTTGGTGATCT  
TCTTTAACTTCTTAATATTTGCGGAGGACCCAGTTTCTCATAGCCAAACAGAAGCCAATGTTATTGTTGT  
TGGAAACTGTTTTTCATTTGTTACAAATAAATACCCTAGAGGAGTTGGCTGGAGGATTTGAAGGTGCTT  
CTATGGCTACTTGCCATTCTCACAGGACTAATAGCTGGCAAATTTCTGTTCCATCAGCGTTTGTGGTC  
AGTTGCTCCGATTAATAATGTTTCGAGAAGATCATGGGTCGTGGATGACAATGTTCTTCAGCACAATTCT  
CTTTCTTTCATATTTTCTCACATATAACACGATTCTTCTAATGGATGGGAACATGGGAGCATATATC  
ATTACAGACTATATGGGCATCCGAAATGAAAGTTTCATGAAATTAGCTGCAGTAGGGACCTGGATGGGG  
ACTTTGTCACAGCTTGGATGGTCACTGATATGATGCTTCAGGACAAACCCTATCCTGACTGGGAAAATC  
AGCAAGAGCTTTCTGGAAGAAAGGAAATGTTAGGATCACTTTATTCTGGACAGTTCTTTTACTCTGACG  
TCTGTGGTTGACTTGTGATTACAACGGACTGGATCAGCTGGGACAAGCTGAATCGGGGATTTTGGCCA  
GTGATGAAGTTCCAGAGCATTCTTGCTTCTTTATCTTGGTCTTTGACCTTCTATTGTGATGCAGGC  
AAATGGTTAACTATGGAATTATCTTCCTCGTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

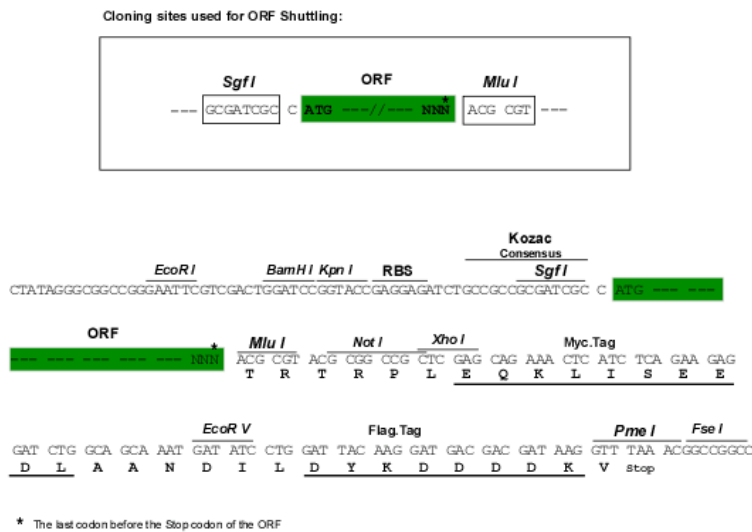
**Protein Sequence:** >RC237050 representing NM\_001286211  
 Red=Cloning site Green=Tags(s)

MGKDFRYFQHPWSRMIVAYLVIFFNFLIFAEDPVSHSQTEANVIVVGNCFSFVTNKYPRGVGWRILKVL  
 LWLLAILTGLIAGKFLFHQRLFQQLRLKMFREDHGSWMTMFFSTILFLFIFSHIYNTILLMDGNMGAYI  
 ITDYMGI RNESFMKLAAVGTWMGDFVTAWMVTDMMLQDKPYPDWGKSARAFWKKGNVRITLFWTVLFTLT  
 SVVVLVITTDWISWDKLNRFPSDEVSR AFLASFILVFDLLIVMQANGLT MELSSSS

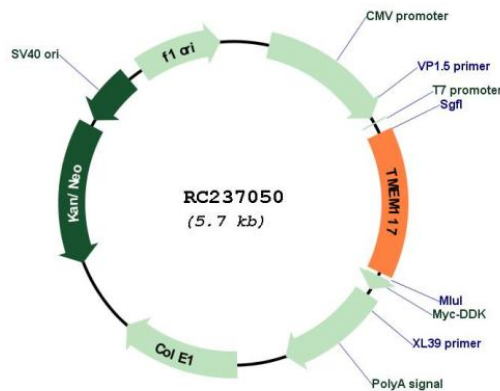
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286211

**ORF Size:** 804 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001286211.1</a> , <a href="#">NP_001273140.1</a>
<b>RefSeq Size:</b>	2874 bp
<b>RefSeq ORF:</b>	807 bp
<b>Locus ID:</b>	84216
<b>Cytogenetics:</b>	12q12
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	31.6 kDa
<b>Gene Summary:</b>	Involved in endoplasmic reticulum (ER) stress-induced cell death pathway.[UniProtKB/Swiss-Prot Function]