

## Product datasheet for **MR208256**

### **Tmem117 (NM\_178789) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmem117 (NM_178789) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem117
Synonyms:	B930062P21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR208256 representing NM\_178789  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGTAAAGACTTCCGCTACTATTTCCAGCATCCTTGGTCTCGCATGATCGTGGCTTACCTGGTCATCT  
 TCTTTAACTTCTTGATATTCGCTGAGGACCCAGTCTCTCACAGCCAAACAGAAGCTAATGTTATTGTTGT  
 TGGAAACTGTTTTTCATTTGTAACAAATAAATACCCTAGAGGAGTTGGCTGGAGGATTTTGAAGGTGCTT  
 CTATGGCTACTGGCCATTCTCATAGGACTGATTGCTGGCAAGTTCCTCTTCCATCAGCGTTATTTGGCC  
 AGTTGCTCCGGTTAAAAATGTTCCGGGAAGACCATGGGTCGTGGATGACGATGTTCTTCAGCACAATTCT  
 CTTTCTTTCATCTTCTCTCACATCTATAACACCATCCTTCTGATGGACGGGAACATGGGAGCTTATCTC  
 ATCACTGACTATATGGGCATCCGCAATGAAAGTTTCATGAACTAGCTGCTGTGGGGACCTGGATGGGGG  
 ACTTTGTCACAGCTTGGATGGTAACTGATATGATGCTTCAAGACAAGCCCTACCCTGACTGGGGAAATC  
 CGCAAGAGCTTTCTGGAAGAAAGCAACGTGAGGATCATTTTATCTGGACCGTCTCTTACCCTGACT  
 TCCGTGGTGGTGTGTCATCACGACCGACTGGATCAGCTGGGACAAACTGAACCGTGGGTTTTGCCCA  
 GTGATGAGGTCTCCCGAGCCTTTCTTGCTTCTTTCATCTTGGTCTTTGACCTCCTTATTGTGATGCAGGA  
 CTGGGAATTTCCACACTTCATGGGCGACGTTGATGTGAATCTCCCGGGTTGCACACGCCTCACATGCAG  
 TTCAAGATTTCCCTTCTCCAGAAGATCTTCAAGGAGGAATACCGCATTACATAACAGGTAATGGTTTA  
 ACTACGGAATTATCTTCTCGTCTTGTATTTGGACCTGAATATGTGGAAGAACCAGATATTTTACAAACC  
 TCATGAATATGGACAGTATATGGCCCAGGGCAGAAGATACACAGTGAAGACTCTGAAAGTTTAAAG  
 GATTTAAATAGAACCAAGCTATCTGGGAATGGCGGTCCAATCACACTAATCCTCAGACTAATAAAACCT  
 ACGTTGAAGGTGACATGTTCTTACACAGCAGTTCATAGGGGCTAGCCTAGATGTCAAGTGTCTGGCTTT  
 TGTTCGAAGTTGATAGCTTTTGTGGTTGGATTCTTCATTTGGTCTTTGGACGGTTTCTGAAAAAT  
 GAGCAAGGGATGGAGAATCAAGATAAACTTATACTCGCATGAAAAGGAAATCCCCCTCGGAACACAGCA  
 AAGATATGGGAATCACCCGAGAAAAACCCAGGTCTCTGTGGAAGATCCTCTGAATGACCTGCCTTGGT  
 TTGTATCAGGTCTGACTTTAACGAGATAGTCTACAAGTCTCCCATCTGACTTCAGAAAACCTTGAGCTTA  
 CATCTGAAGGAATCTACCAGTGAGGTGGAGGCTGAGCAAGAGCCGGCAGCCTCTCAAAGGATGAGGACGA  
 AC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208256 representing NM\_178789  
 Red=Cloning site Green=Tags(s)

MGKDFRYFFQHPWSRMIVAYLVIFFNLFIFAEDPVSHSQTEANVIVVGNCFSFVTNKYPRGVGWRILKVL  
 LWLLAILIGLIAGKFLFHQRLFGQLRLKMFREDHGSWMTMFFSTILFLFIFSHIYNTILLMDGNMGAYL  
 ITDYMGI RNESFMKLAAVGTWMGDFVTAWMVTDMMLQDKPYPDWGKSARAFWKGNVRIILFWTVLFTLT  
 SVVVLVITTDWISWDKLNRFPSDEVSRAFLASFILVFDLLIVMQDWEFPHFMGDVDVNLPLHTPHMQ  
 FKIPFFQKIFKEEYRIHITGKWFNYGIIFLVILDLNMWKNQIFYPHEYGQYIGPGQKIYTKDSESLK  
 DLNRTKLSWEWRSNHTNPQTNKYVEGDMFLHSRFIGASLDVKCLAFVPSLIAFVWFGFFIWFVFRFLKN  
 EQGMENQDKTYTRMKRKSPEHSDKMGITRENTQVSVEDPLNDPALVCIRSDFNEIVYKSSHLTSENLSL  
 HLKESTSEVEAEQEPAASQRMRTN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9016\\_b02.zip](https://cdn.origene.com/chromatograms/mm9016_b02.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_178789

**ORF Size:** 1542 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_178789.4](#), [NP\\_848904.1](#)

**RefSeq Size:** 2781 bp

**RefSeq ORF:** 1545 bp

**Locus ID:** 320709

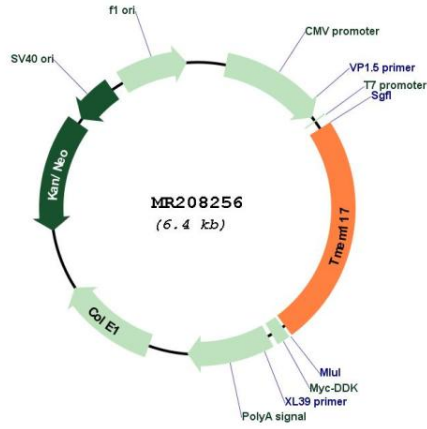
**UniProt ID:** [Q8BH18](#)

**Cytogenetics:** 15 E3

MW: 60.8 kDa

Gene Summary: Involved in endoplasmic reticulum (ER) stress-induced cell death pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208256