

## Product datasheet for MR203767

### Tmem25 (BC060057) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem25 (BC060057) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem25
Synonyms:	0610039J01Rik; AI429491
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203767 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAATGCCTCTAAGCCAAGCTACCCTCCGGCACACTGCTGCTCCTTCTGCCCTCTTAAGTTCAG  
GTCAAGGGGAGCTGGCGCCGAAATTGATGGTCAGACCTGGGCTGAGAGAGCGCTTAGGGAGAATGAGCA  
CCATGCCTTACCTGTCGGGTTGCAGGAGGTTCTGCCACTCCCGATTAGCCTGGTACCTGGATGGACAG  
CTACAGGAGGCCACCACCTCCCGACTGCTGAGTGTGGGTGGGACGCCTTCTCTGGAGGAACCAGCACTT  
TCACTGTTACTGCCAGCGCTCCAACATGAGCTTAACTGCTCCCTGCAGGACCCAGGGAGTGGCCGGCC  
AGCCAATGCCTCTGTATCCTCAATGTGCAATCAAAACCAGAGATTGCCAGGTTGGAGCCAAATACCAG  
GAAGCTCAGGGCCAGGCCTTCTGGTTGTCTGTTTGGCCCTGGTGCGGGCCAACCACCTGCCAATGTCA  
CCTGGATTGACCAGGATGGGCCAGTGACTGTCAATGCCTCTGACTTCTGGTGTGGATGCTCAGAATA  
TCCCTGGCTCACCAACCACACTGTGCAGCTGCAGCTCCGGAGCTTGGCACACAACCTCTCGGTGGTGGCC  
ACCAATGACGTGGGTGTCACTAGCGTTCCTTCCAGCTCCAGGGCTCCTGGCCACACGGATAGAAGTGC  
CACTGCTGGGCATCGTTGTGGCTGGAGGACTTGCCTTGGGCACCTAGTGGGTTAGTACCTTGGTGGC  
CTGCCTGGTCTGCAGAAAGAGAAGAAAACAAAAGGCCCTCCCGCGTCTTCTCTGATATCTAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203767 protein sequence  
 Red=Cloning site Green=Tags(s)

MELPLSQATLRHTLLLLPALLSSGQGELAPQIDGQTTWAERALRENEHHAFTCRVAGGSATPRLAWYLDGQ  
 LQEATTSRLLSVGGDAFSGGTSTFTVTAQRSQHELNCSLQDPGSGRPNASVILNVQFKPEIAQVGAKYQ  
 EAQGPGLLVVLFALVRANPPANVTWIDQDGPVTVNASDFLVLDAQNYPWLTNHTVQLQLRSLAHNLSVVA  
 TNDVGVTSASLPAPGLLATRIEVPLLGI VVAGGLALGTLVGFSTLVACL VCRKEKKTGKPSRRP SLISR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC060057

**ORF Size:** 837 bp

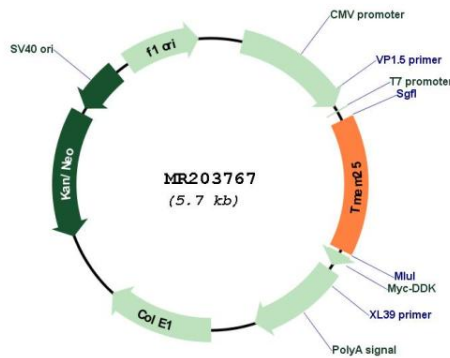
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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:** [BC060057](#), [AAH60057](#)
- RefSeq Size:** 2714 bp
- RefSeq ORF:** 839 bp
- Locus ID:** 71687
- Cytogenetics:** 9 A5.2
- MW:** 29.6 kDa
- Gene Summary:** In neurons, modulates the degradation of NMDA receptor GRIN2B subunit. Plays a role in the regulation of neuronal excitability.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203767