

## Product datasheet for MC211214

### Tmem25 (NM\_027865) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem25 (NM\_027865) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tmem25  
**Synonyms:** 0610039J01Rik; AI429491  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211214 representing NM\_027865  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAATTGCCTCTAAGCCAAGCTACCCTCGGCACACTGCTGCTCCTTCTGCCCTCTAAGTTCAG  
 GTCAAGGGGAGCTGGCGCCGAAATTGATGGTCAGACCTGGGCTGAGAGAGCGCTTAGGGAGAATGAGCA  
 CCATGCCTTACCTGTCTGGGTTGCAGGAGTTCTGCCACTCCCGATTAGCCTGGTACCTGGATGGACAG  
 CTACAGGAGGCCACCACCTCCCGACTGCTGAGTGTGGGTGGGACGCCTTCTCTGGAGGAACCAGCACTT  
 TCACTGTTACTGCCAGCGCTCCCAACATGAGCTTAACTGCTCCCTGCAGGACCCAGGGAGTGGCCGGCC  
 AGCCAATGCCTCTGTCATCCTCAATGTGCAATCAAACCAGAGATTGCCAGGTTGGAGCCAATACCCAG  
 GAAGCTCAGGGCCAGGCCTTCTGGTTGTCTGTTTGCCTGGTGGGCGCAACCCACCTGCCAATGTCA  
 CCTGGATTGACCAGGATGGGCCAGTGACTGTCAATGCCTGACTTCTGGTGTGGATGCTCAGAACTA  
 TCCCTGGCTCACCAACCACACTGTGCAGCTGCAGCTCCGAGCTTGGCACACAACCTCTCGGTGGTGGCC  
 ACCAATGACGTGGGTGTCACTAGCGCTTCCCTCCAGCTCCAGGGCTCTGGCCACACGGATAGAAGTGC  
 CACTGCTGGGCATCGTTGTGGCTGGAGGACTTGCCTTGGGCACTAGTGGGGTTCAGTACCTTGGTGGC  
 CTGCCTGGTCTGCAGAAAGAGAAGAAAACAAAAGGCCCTCCCGCGTCTTCTCTGATATCTAGTGAC  
 TCCAATAACCTGAACTGAATAATGTGCGCCTGCCACGGGAGAACATGTCCCTCCCATCCAACCTTCAGC  
 TCAATGACCTCACTCCAGATCTCAGAGGAAAGCAACAGAGCGGCAATGGCTCAGCATAGCAGCCGTCC  
 AGAGCTTCTAGAAGCCGAGCCTGGTGGCTCCTCACCAGCCGAGGTTTCATCCGTCTCCCGATGTTGGGC  
 TACATCTACCGTGTGTCCAGTGAAGCAGTGATGAGATTTGGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_027865



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<b>Insert Size:</b>	1098 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>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_027865.2</a></u> , <u><a href="#">NP_082141.1</a></u>
<b>RefSeq Size:</b>	2354 bp
<b>RefSeq ORF:</b>	1098 bp
<b>Locus ID:</b>	71687
<b>UniProt ID:</b>	<u><a href="#">Q9DCF1</a></u>
<b>Cytogenetics:</b>	9 A5.2
<b>Gene Summary:</b>	<p>In neurons, modulates the degradation of NMDA receptor GRIN2B subunit. Plays a role in the regulation of neuronal excitability.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2, 3, and 4 all encode the same isoform (b).</p>