

Product datasheet for **MC201521**

Tmem109 (NM_134142) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem109 (NM_134142) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem109
Synonyms:	1110006I15Rik; AA958958; C77652
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC022997 sequence for NM_134142
 CTATAAACCAACACCCCGGAGTTGAGGCGCCGGTTTGGTGGCGCGTTTTCTAGCGAAGTCCCACGTGAA
 GGATAGCGGTGACCGGAGCAGGACACAAACATGGCAGGCGCACACAGCACTCCGTTATGGAGCAGACATC
 TGCTCAAAGCTGTCTGATGGTCTCGTGGCCCTTTCTCGTCCACTCCGCATCAGCCCAGTCTCATCG
 AGAGTTTGCCTCACCTGGTCAACAGAAGAAGGAGACCTCAGCTGATATTTGACCCAGATTGGCCGATCT
 CTGAAGGAGATGTTGGATACCTGGTAGGGCCAGAGACCATGCATGTGATTTAGAGACCCTGTTGCAGG
 TGATGTGGGCCATCTCATCAGCCATCTCTGTGGCCTGCTTGGCCTGTCTGGGATTGCTGCCAGTTGCT
 GAGTGCCCTGGGGCTGGATGGTGAACAACCTCACCCAGGGCTTGAAGCTCAGCCCTAGCCAAGTCCAGACC
 CTTCTACTGTGGGGAGCAGCAGCACTGGTCATCTACTGTTGCTGTCCCTGCTCCTAGGCTTGGTCTTGG
 CCTTGCTAGGGAGGATCCTGGGGGTCTGAAACTTGTCTTTTTGTGCTGGCTTGTGGCCCTGGTGGAG
 GTCTGTGCCCCACCCATCTACCCGGCCTTGATGCTCTTGGCCTTGTAACTCTCTTTGCCTTGCTGAGC
 CGGCTCACTGGCTCCAGGAGCTCAGGGAGCCACCTGGAAGCCAAGGTGAGAGGGCTGGAGCGCCAGATAG
 AAGAGCTTAGAGGGAGGCAGAGGCGAGCAGCCAAGATGCCAGGAGCATGGAAGAAGAGTGACAAGGGCG
 TCCCCAAGAGACACCCTACCGTACCAAGAGCTGAGCTGCTTCTGGGTCTCACGGACCTCCTTGCAGCC
 CCCTTGCCTTTCTTGCCTTGTGTCCGGAACCTTACACCTTTACCCCTGCGCTAGCCCTGGCTGAGA
 GGAGAGAACCTGTCTCTGCCGGTGTCTAGTCAAGTGATGGCTCCCTGCCCTTCTGTGCTCCAGCCTGC
 CTCCTCCAGGGCAGGTTGGAGCCCTCAGCCCTGGCTTCTGCTCTCAGCCAGCACCCTGCCCGCTGATCT
 CCGTGATGATTAACCTGTGCTTCTTACACAAGGCTGCCAGGCTGAAGCTCCTGTTGACCACTCCC
 CCCCCCCCCCAGCTCTTTCTTCTGCTCCCAGCCACTACCATCCCAAGTCCCTTGCAGCCCTCT
 CTGTCTTCTCATTGCACTGCAATGGGCAGGGGTAGGAGATTGGAGATAAGGATGAAGGGGGAGGAAAGG
 GTCCCTGGAGGCTGTGCATCTATGCTCTGTTACAAGTGCCTTAGCAGGAGTCAGCAGCACCCCTCCAGGT
 GCCCTTGCCACTGAATGTGGAAAGTGTGCTGTGGCTACTTCGTGGTCAGAGTGAGCCCTTGCAGA
 ATCCCCACTCCAGCAAACAAGCAACGGCCCTGCTGGGATTGTGCAATCTCCCTTGAGGGTTTCAGGGAC
 CTTGAAAAGGGCAGGAGGACCTGTCTGTGAGTTCAGTTCCTTACCCCTGTCCACTCTCTGCCATCCAGAAGCAA
 GCGTTGGTCAGTGTGTGTCCCAGTAGCTGGGAAGGGCACGGCTTGGCCCTGATCTGTTCTGCAGGGCTA
 GGAGTGAGCCTGCCACTAACCCCTCTCCACCCTTGTCTACTCTTGGCCTTGGCCTTGGCCTTATAGTCC
 CTGGTGGAGGAGATGACCCATGCCAGTCCAGCACAAGATGTGAAGATTAATGCCTATTCTTACTGAA
 GGTGGTGTGGAATCATGGCTGCAGTGATATGTTTTATCAGCGCTTGGTGGTTTTAAAGTGCATGCTA
 TTTTATTATCTTCTGAATAAAATGTATTTACTCAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_134142

Insert Size: 732 bp

OTI Disclaimer: 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).

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:	<u>BC022997, AAH22997</u>
RefSeq Size:	1943 bp
RefSeq ORF:	732 bp
Locus ID:	68539
UniProt ID:	<u>Q3UBX0</u>
Cytogenetics:	19 A
Gene Summary:	May mediate cellular response to DNA damage by protecting against ultraviolet C-induced cell death (PubMed:20060811). Can form voltage-gated calcium and potassium channels in vitro (By similarity).[UniProtKB/Swiss-Prot Function]