

Product datasheet for **MC206350**

Tmem55a (BC021435) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem55a (BC021435) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem55a
Synonyms:	2610319K07Rik; AI315591; AV001360
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021435
 CCACGCGTCCGCCACGCGTCCGCTCAACCCGCGGCCGCGCGCTGTCGCTGCAGTCATGGCTGCTGAC
 GGGGTGGACGAACGTTTCGCTCTGCTGTGAGCAGTCCCATTTCGGGAAATGTCACTCCCACAGCCCCGCGT
 ACTTGCAGGAAAGCAGCCCCAGAGCTGAACTCCCACCTCCGTATACAGCCATCGCCAGTCCAGGAACAAG
 TGGTATCCCCTGATCAACTGTCGTGTGCAATCTCTAATCAACCTGGATGGTAACTTACCAGCAT
 GTGGTTAAGTGACAGTTCGCAATGAAGCTACGCCAATCAAACCCCCAACAGGGAAGAAATATGTTA
 GATGCCCTTGTAATTGTCTACTCATTGTGAAGGATACATCTCGGGAATAGGATGTCGAGACCCAACTG
 TCGACGCATAATTAACCTTGGCCCCGTAATGCTCATTCTGAAGAGCAACCCAGCCAACTGCATTGCCG
 ATCCAGCCAGAAGGCACAAGGGTAGTGTGCGGGCACTGCGGGAACACATTCTGTGGATGGAAGTGAAGT
 TCAACTCTGGCAAAATGCCACACTGCAAAAAAATCTCCTCGGTAGGTAGCGCCCTTCCCGGAGACG
 CTGCTGTGCGTATGTCACCATCGGAATGATATGATTTTTCATTGCAGTTGGATTAAGTGTGGCACACAA
 GATTTTTCAAGGCGATTCATGCAACCTATGTGCTTGGGCAATTGCTTATCTGCTAGGTTTGATTTGCC
 TTATCCGAGCTTGTACTGGGCGCAATCAGAGTCAGTTATCCAGAGCACGGCTTTGCTTAAAGTCTCCTC
 ATGAATCCTTGATGCAGGCGAGAGTGTCCAGTAGTCTTGAGAAGCTCTGCTGGACGCCCTCAAATCATT
 TATCCTCTGGATTCCATCCTGGTTGTATAGTAGTCTCAAGAATTTGTGAGTCTTTTCTGAACAGACGC
 TCACTGAAGTACATTATATGCAAGTTCATTTTGTCTGCTAGGTTTTAGACTTGGAAAAATAAGCTGTGT
 CTCTGTTCTTTTAAATCATAAAGGTATTTTGCATTTGCTCCTCCACGTTATATCTAATATCAGTCTTTC
 ATTATGTTTAAACCAGTTGTTCCATTACTTGTGCTGTGGGACTATCCCCAAGAAGTGTATATAATGTT
 TCTACAATAGGGTACATTTATACTTACATTTTAAACAGAATTGCTTGTCTTAAAAATCTAAGCAATATG
 CATTTTTGCTTGAAGTCTTACTGTAATTTAACCTAAGAGTATAGATACCTTATTCAGGAAAAACAAAT
 TGAGTGTACTTTGAAAACTTGACATTCCTGTCAGAGAATCATTCTAGATAGTATATGCTTGTTTTTTT
 TGTTTTTTTTTTTTTTTGTATTGTTTGTAGAAAGATACAATATTTTGGTAGTAAATTAATAACCTAGG
 ATGAACATATATAGTCCACAGTTGGAGATGTTAGATAAATGTCTTTTCTAAGATTACAGACTTTT
 TGCTTTTCAGTCTTGTCTTTTATTTAGCATTTACAAAAATCTGGTCTGGATTTATGGAATTTAATGTTA
 CTCTGCTGAATGTATTCCTTTATAAACTGGAGGAAGTATTTAGACAACATGTTTTATAACTTATCA
 TCTCGTCAAAGACATGTTGACACTGGGTTGCAGTCTTTTTCATTCAATCATGGTAAACTTATCTTCTGA
 CATCTGTGTACACCCGCTTCTCTGGGAAGAGAAGTCTAGGACTTTTTTGTCTTAGCTGAAAGTTAGAATTA
 GAGATTCTTACCATTCTCACCTGGTCAGATAAATGACTCGACTTCTTCAAGAGAACGGATCAGAGAGA
 GAGAGTTTCATCGTCACCTAAAACCTCGCGTGGAAATTCATGGACTCAGCTCTTGCAGTCCCGAGTTTGC
 AGTTTAGAAGGAATTCCTTGAGAGTCAGTGGTCTAAACTCTTTCACATTGTAGAATTAGACAATGAGATG
 CCCTGAATACATTAGTAGGTGATTCCAAGGGACAAGACTAATGTTCTAAATTTATTTATGTTCTGATTAA
 TATGAAAATGACTTAATGCAAAGTCGGAGTCAGCTACACCTCAAAGAGAAAATGATAAATGTATAAATG
 AAGTAGCTCAGGATTCTATGTACCTTTGAAAATATGCTAATAAAGATTATTATTCAAAAAATAAAAAA AAAAA

Restriction Sites: RsrII-NotI

ACCN: BC021435

Insert Size: 774 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:	<ol style="list-style-type: none">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:	BC021435 , AAH21435
RefSeq Size:	2245 bp
RefSeq ORF:	774 bp
Locus ID:	72519
Cytogenetics:	4 A1-A2
Gene Summary:	Catalyzes the hydrolysis of phosphatidylinositol-4,5-bisphosphate (PtdIns-4,5-P2) to phosphatidylinositol-4-phosphate (PtdIns-4-P) (By similarity). Does not hydrolyze phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 3,4-bisphosphate, inositol 3,5-bisphosphate, inositol 3,4-bisphosphate, phosphatidylinositol 5-monophosphate, phosphatidylinositol 4-monophosphate and phosphatidylinositol 3-monophosphate (By similarity). Negatively regulates the phagocytosis of large particles by reducing phagosomal phosphatidylinositol 4,5-bisphosphate accumulation during cup formation (PubMed:29378918).[UniProtKB/Swiss-Prot Function]