

Product datasheet for MC201980

Tmem106a (NM_144830) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem106a (NM_144830) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem106a
Synonyms:	0610008L10Rik; AI043106; BC022145
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC022145 sequence for NM_144830

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GTCACCTGCAGAATCCCCTAGTAGAGAGGACTTGACCCTCCCGGTAGACAAGAGTCCCTGCTCCCCACTT
TCAACACATTGACTCTCTCTGGTCTCCGCTGAATTGAGCTGTTCAACTCCACCCTACCCTAGAGGCCCTT
CTCCCCAAGGAGCATTCCAGAAAACCCAATCTTGGAGCTGAGCAGAGCCTGGAATCCCAGACCTAAACC
AGTGAAAAATTCCGCTGGACTATGGGTAAGGCAGTCTCCAGCTCACCTCTCGGAAGGATGAGGACAAGC
CTATCCTACCTGATAACCCAGCCATGGCCAGCCAGGCTGCCAACTACTTCAGCACTGGTAGCAGCAAGCC
AGCACACTCCTGTATGCCTTATGAAAAGGCTGCTAGTTCCAGCTTTGTGACTTGTCTACCTGCCAAGGC
AATGGGGAGATCCCCAAGAGCAAGAGAAGCAGCTGGTTGCTCTCATCCCTTATGGAGACCAAGGCTGA
AGCCCAGACGCACGAAGCTCTTTGTGTTCTGTGCGGTGGCCATCTGCCTGCTGATTTTCTCCCTCACCAT
CTTTTTCTGTATCCCCGGCCATTGCTGTGCGTCTGTGCGCTCAACTCTTCCACAGTAACCTTTGAA
GACGCTCACGTACAGCTCAACACGACGAATGTCCTGAACATCTTCAACAGCAACTTCTATCCCATCACAG
TGACACAGCTGACGGCCGAGGTGCTCCACCAGGCCTCTGTGGTAGGCCAGGTACCAGCAGCCTCCGCCT
GCACATCGGCCCATTTGGCCAGTGAGCAGATGCCTTACGAAGTTGCCAGCAGGATTTTGGATGAAAAACA
TACAAAATCTGTACATGGCCGAAAATCAGAGTCCACCATATTCTTTTGAATATCCAGGGTTCTCTGACCT
GTCCTTCCCTAAGCCATCCGCAACAGCTGCCCTTCGAGAGCTTTGAATATGTAGACTGCAGAGAAAACAT
GTCCCTGCCACCTGGAGCTGCCCCGCCAGCCTGATCTGTCTGCCGCCCTGGACTCCAGGCACCTGC
AAGCTGATCTGCAGCTCAGCTCCGTGGAGCTCAAGGAAAGACTGTAGGGACTTTGTTGAAGGAAAAGTCC
TGCTTTGGGCCCTGCCTTCCCCTAACACCCTCAGCACACAGAGCTTCTGTAACAATGTCATAGTCCCTGA
GTCCTCAGACCTCCCCACTCCCCACGAGTGCCTTCTGATGGATCTTACCCATGGTCTGTGTGGGAGGA
ACGGCTACCTTGGCGTTGTCTTGGGACTGAGCATGTTGGTTACCCAGCTCCGCCAGGGTGGGTCTTCAAT
CGCAACGAAGAGAAAGCTGTAGTTTATCTAGACTTTGCAGCATGGATGAATCTTTTCAAGCTCTCCTC
CCAGTAATAAGTGGCTTTGGGATATCCAGTGCTGTTTCCAAGGTCTCCTTGGGTGACTATAAATGTTCT
CCTGTACAAAAAAAAAAAAA
  
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Restriction Sites:	RsrII-NotI
ACCN:	NM_144830


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Insert Size:	786 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 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
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC022145 , AAH22145
RefSeq Size:	1492 bp
RefSeq ORF:	786 bp
Locus ID:	217203
UniProt ID:	Q8VC04
Cytogenetics:	11 D
Gene Summary:	Activates macrophages and polarizes them into M1-like macrophages through the activation of the MAPK and NF-kappaB signaling pathway (PubMed:26215746). Upon activation, upregulates the expression of CD80, CD86, CD69 and MHC II on macrophages, and induces the release of pro-inflammatory cytokines such as TNF, IL1B, IL6, CCL2 and nitric oxide (PubMed:26215746). May play a role in inhibition of proliferation and migration (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1 through 4 encode the same protein.