

Product datasheet for **MC216104**

Chrm1 (NM_007698) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrm1 (NM_007698) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chrm1
Synonyms:	Chrm-1; M1; M1R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216104 representing NM_007698
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACACCTCAGTGCCCCCTGCTGTCACTCCCAACATCACCGTCTTGGCACCAGGAAAGGGTCCCTGGC
 AAGTGGCATTTCATCGGGATCACCACAGGCTCCTGTCTCTGGCTACAGTGACAGGCAACCTGCTGGTGCT
 CATCTCCTTCAAGGTCAACACAGAGCTCAAGACAGTCAACAACACTTCTCCTGCTGAGCCTGGCCTGTGCT
 GATCTCATCATTGGCACTTTCTCCATGAACCTCTATACCACATACCTGCTCATGGGCCACTGGGCTCTGG
 GCACACTGGCCTGTGACCTCTGGCTGGCCCTGGACTATGTGGCCAGCAACGCCTCTGTATGAATCTTCT
 GCTCATCAGCTTTGACCGTTACTTCTCAGTGACCCGACCCCTGAGCTACCGAGCCAAGCGCACTCCCGC
 AGGGCAGCTCTGATGATTGGCCTCGCGTGGTGGTTTCTTCGTTCTCTGGGCCACGCCATCTCTTCT
 GGCAATACCTAGTTGGGAGCGGACAGTGTGGCTGGCAGTGTACATCCAGTTCCTCTCCAACCCAT
 CATCACTTTTGGCACAGCCATGGCCGCTTCTACCTCCCTGTACAGTCACTGTGTACGCTGTACTGGCGC
 ATCTACCGGGAGACAGAAAACCGAGCCCGGAGCTAGCAGCCCTACAGGGCTCTGAGACACCAGGCAAG
 GTGGTGGCAGCAGCAGCAGCTCAGAGAGGTCACAGCCAGGAGCTGAAGGCTCACCCGAGTCACTCCAGG
 CCGCTGCTGTGCTGTTGCCGGGACCCAGACTTCTGCAGGCCTACAGCTGGAAAGAAGAAGAGGAAGAG
 GATGAAGGCTCCATGGAGTCCCTCACATCTCTGAAGGTGAGGAGCTGGCTCAGAAGTGGTGATCAAGA
 TGCCTATGGTAGATCCTGAGGCACAGGCACCCACCAAGCAGCCTCCCAAAAGCTCCCAAAATACAGTCAA
 GAGGCCACCAAGAAAGCCGAGACCGAGGCGGCAAGGCCAAAAACCCGAGGGAAGGAACAACCTGGCC
 AAGAGAAAGACCTTCTCACTGGTCAAGGAGAAGAAGGCAGCTCGGACCCCTGAGTGCCATCTGCTGGCCT
 TCATCCTCACCTGGACACCATATAACATCATGGTGTGCTGCTACATTCTGCAAGGACTGTGTTCCAGA
 AACCCATGGGAGCTGGGCTACTGGCTTTGCTACGTCAACAGCACTGTCAACCCCATGTGCTACGCACTC
 TGCAACAAAGCCTTCCGGGACACTTCCGCTGCTGTTGCTCTGCCGCTGGGACAAGCGGCGCTGGCGCA
 AAATCCCAAGCGCCCTGGCTCTGTGCACCGCACCCCTCCCGCCAATGC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_007698
- Insert Size:** 1383 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: [NM_007698.3](#), [NP_031724.2](#)

RefSeq Size: 6209 bp

RefSeq ORF: 1383 bp

Locus ID: 12669

UniProt ID: [P12657](#)

Cytogenetics: 19 A

Gene Summary:

The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is Pi turnover.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.