

Product datasheet for **MC217639**

Chrm5 (NM_205783) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrm5 (NM_205783) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chrm5
Synonyms:	AChR-M5; m5; M5R
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC217639 representing NM_205783
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGGGGAGTCTTATCACAATGAAACCACTGTCAACGGCACCCAGTAAATCACCAGGCTTTGGAAC
GCCATGGACTGTGGGAAGTCATTACTATTGCAGCTGTGACCGCTGTGGTCACTGATGACCATTGTCGG
CAATGTCTTGGTCATGATCTCCTTCAAAGTCAACAGTCAGCTCAAGACAGTTAACAACACTATTACCTGCTC
AGCTTGGCCTGTGCAGACCTCATCATTGGCATCTTCTCCATGAACCTCTACACGACCTACATCCTCATGG
GACGCTGGGTTCTCGGGAGTCTGGCCTGTGACCTTTGGCTTGCCTCGACTATGTAGCCAGCAACGCTTC
TGTCATGAACCTTCTGGTGATTAGCTTTGATCGTTACTTTCCATCACAAGACCACTGACATACCGAGCC
AAGCGTACCCAAAGAGGGCTGGCATCATGATCGGCTTGGCATGGCTGGTCTCCTTCATCCTCTGGGCGC
CAGCCATCCTCTGCTGGCAGTACTTGGTCGGGAAGCGGACAGTACCACCTGATGAGTGCCAGATCCAGTT
CCTCTCTGAGCCACCATCACTTTTGGGACCGCCATTGCCGCTTCTATATCCCTGTCTCCGTGATGACC
ATACTCTACTGCCGATCTACCGGAAACAGAGAAACGAACCAAGGACCTGGCTGACCTCCAAGGTTCCG
ATTCTGTGGCAGAAGTCAAGAAGAGAAAACCGGCTCACAGGACCTGCTCAGATCTTTCTTTAGCTGCC
TAGACCCAGCCTGGCCCAGAGAGTACGGAACAGGCTCCTGGTCATCCTCCCGTAGAAGCACCTCAACA
ACGGGAAAGCCAAACCCAGGCCACTGATCTAAGTGTGACTGGGAAAAGGCTGAGCAGGTTACCAACTGTA
GCAGCTGCCCTCTTTCAGAGGACGAAGCCAAGGCCACCACTGACCTGTCTTTCAAGTGGTCTGCAAGAA
TGAGGCCAAGGAAAGCCCGGGGAAGGAATTCAATACCCAAGAGACCAAGGAAACGTTTGTGAGCCCTCGG
ACTGAAAAACAATGACTATGACACTCCCAAGTACTTCTGTCTCCAGGTGCTGCTCACAGACTCAAGAGTC
AGAAGTGTGTTGCCTATAAGTTCCGATTGGTGGTAAAAGCTGACGGGACCCAGGAGACAAACAATGGTGTG
TCGTAAGGTGAAAAATCATGCCCTGTTCCCTCCAGTGTCCAAGACCCTTCAACAAAAGGCTGGATCCC
CACCTCAGCCATCAAATGACCAAACGAAAGAGAATGGTCTAGTCAAAGAGAGGAAAGCGGCGCAGACCT
TGAGCGCCATTCTCCTGGCCTTATCATCACATGGACTCCTTATAACATCATGGTCTGGTTTCCACCTT
CTGTGACAAGTGTGCTCCCTGTACCCTGTGGCACTTGGGTTACTGGCTGTGCTATGTCAACAGCACCATC
AACCCATCTGTTACGCTCTCTGCAACAGAACCTTCAAGGAGACCTTTAAGCTGTGCTTCTCTGCCGGT
GGAAAAAGAAAAAGTAGAAGAGAAATTGTATTGGCAAGGCAACAGCAAGCTACC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_205783

Insert Size: 1599 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_205783.2](#), [NP_991352.2](#)

RefSeq Size: 1746 bp

RefSeq ORF: 1599 bp

Locus ID: 213788

UniProt ID: [Q920H4](#)

Cytogenetics: 2 57.02 cM

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 (By similarity).[UniProtKB/Swiss-Prot Function]