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Product datasheet for MC216619

Chrm4 (NM_007699) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrm4 (NM_007699) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chrm4
Synonyms:	Chrm-4; M4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC216619 representing NM_007699
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGAACTTCACACCTGTCAATGGCAGCTCAGCCAATCAGTCTGTGCGCCTGGTCACAACAGCCCACA
ACCACCTGGAGACAGTGGAGATGGTGTTCATTGCGACAGTGACTGGTTCCCTGAGCCTGGTGACTGTGGT
GGGTAACATCCTGGTGATGCTGTCCATCAAGGTCAACAGGCAGTTGCAGACAGTCAACAACTACTTCCTG
TTCAGCCTGGCGTGTGCAGATCTCATCATAGGGGCGTTCTCTATGAACCTTTACACCTTATACATCATCA
AGGGCTACTGGCCCCTGGGTGCCGTGGTCTGTGACCTGTGGCTGGCCCTGGACTATGTGGTGAGCAATGC
CTCTGTCATGAACCTTCTCATCATCAGCTTTGACCGCTATTTCTGCGTCACCAAGCCCCTCACCTATCCA
GCCCGCCGCACTACTAAGATGGCAGGCCTCATGATTGCAGCCGCCTGGGTCTTGTCCTTTGTACTCTGGG
CCCCTGCCATCTTGTTCTGGCAGTTTGTGGTGGGCAAGAGGACAGTGCCTGATAACCAGTGCTTCATCCA
GTTCTTGTCCAACCCGGCGGTGACCTTCGGCACAGCCATTGCTGCCTTCTACCTGCCTGTGGTCATCATG
ACGGTGCTGTATATTCATATCTCGCTGGCCAGCCGCAGCCGTGTTCACAAGCATCGACCCGAGGGCCCCA
AGGAGAAGAAGGCCAAGACTCTGGCTTTCCTCAAGAGCCCTCTGATGAAGCCGAGCATTAAGAAACCTCC
ACCAGGGGGCGCTTCTCGAGAGGAACTGCGCAACGGGAAGCTAGAAGAGGCTCCTCCGCCAGCCCTGCCC
CCGCCTCCACGCCCAGTGGCTGACAAGGACACTTCCAATGAGTCCAGCTCAGGCAGTGCCACCCAGAACA
CCAAGGAACGGCCACCCACAGAGCTGTCCACCACAGAGGCCGCCACCACACCAGCGCTGCCCGCTCCTAC
CCTGCAGCCACGAACCCTCAACCCAGCCTCCAAGTGGTCCAAGATCCAAATTGTGACAAAGCAGACAGGC
AGTGAATGTGTGACTGCCATCGAGATCGTACCTGCCACGCCAGCTGGTATGCGCCCAGCAGCCAATGTGG
CCCGAAAGTTTGCCAGCATCGCTCGTAACCAGGTGCGCAAGAAGCGGCAGATGGCGGCCCGGGAGCGCAA
AGTGACTCGGACAATCTTTGCCATTCTGCTGGCCTTCATCCTCACCTGGACACCCTACAATGTCATGGTC
CTGGTGAACACCTTTTGCCAGAGCTGTATCCCCGAAAGGGTGTGGTCCATCGGCTACTGGCTCTGCTACG
TCAACAGCACGATCAACCCTGCCTGCTATGCACTCTGCAATGCCACTTTCAAAAAGACCTTCCGGCACCT
TTTGCTGTGCCAGTATCGGAACATCGGCACAGCCAGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2030_b01.zip

Restriction Sites: SgfI-MluI

ACCN: NM_007699

Insert Size: 1440 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.
RefSeq:	BC120504, AAI20505
RefSeq Size:	2768 bp
RefSeq ORF:	1440 bp
Locus ID:	12672
UniProt ID:	P32211
Cytogenetics:	2 50.63 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 inhibition of adenylate cyclase.[UniProtKB/Swiss-Prot Function]