

Product datasheet for **RN208015**

Chrm2 (NM_031016) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrm2 (NM_031016) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chrm2
Synonyms:	Acm2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208015 representing NM_031016
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATAACTCAACAACTCCTCGAACAAATGGCTTGGCTATTACCAGTCCTTACAAGACATTTGAAGTGG
 TATTTATTGTCCCTTGTGGCTGGATCCCTCAGTCTGGTGACCATCATTGGGAACATTCTGGTCATGGTTTC
 CATTAAAGTCAGCCGCCACCTTCAGACTGTCAACAATTACTTCTTGTTCAGCCTGGCCTGTGCTGACCTC
 ATCATAGGTGTTTTCTCCATGAACCTGTATACCTCTACACTGTGATTGGCTACTGGCCTTTGGGACCTG
 TAGTATGTGACCTATGGCTAGCATTGGACTATGTTGTCAGCAATGCCTCCGTTATGAATCTCCTCATCAT
 CAGCTTTGATAGATACTTCTGTGTACGAAACCTCTGACCTACCCAGTTAAGCGGACCACAAAAATGGCA
 GGCATGATGATTGCAGCTGCGTGGGTCTTTCTTTCATCTCTGGGCCCCAGCCATTCTCTTCTGGCAGT
 TCATCGTAGGGGTGAGGACTGTGGAGGATGGGAATGCTATATTCAGTTCTTTTCCAATGCGGCCGTCAC
 CTTCCGGCACTGCCATTGCAGCGTTCTATCTGCCTGTCATCATCATGACTGTGCTCTATTGGCATATATCC
 CGGGCAAGCAAGAGTAGAATAAAGAAGGAAAAGAAGGAACCTGTGGCCAACCAAGACCCAGTATCTCCAA
 GTCTGGTGCAAGGAAGAATTGTAAGGCCAAACAATAACAATATGCCTGGTGGTGTATGGCGCCTGGAAAC
 CAACAAGATCCAGAAATGGCAAGGCTCCACGGGACGGCGTGACTGAAACCTGTGTTCAAGGGGAGGAGAAA
 GAGAGCTCCAATGATTGACGTCATCAGCTGCTGTGGCCTCCAATATGAGAGATGATGAGATAACCCAGG
 ATGAAAACACAGTTTCCACTTCGCTGGACCACTCCAGAGATGACAACCTAAGCAAAACATGCATCAAAT
 TGTACCAAGGCCCAAAAAGGTGATGTGTACACCCCAACGAGTACCACTGTAGAAGTGGGTGCTGCG
 GGTCAGAGTGGGGATGAAAAGCAGAACGTTGTAGCCCGCAAAATCGTGAAGATGCCCAAGCAGCCTGCCA
 AAAAGAAGCCTCCACCATCCCGGAAAAGAAAGTGACCAGGACAATCTTGGCTATCTCTGTTGGCTTTTCAT
 CATAACGTGGGCCCATACAATGTCATGGTGTCTCATCAATACTTTCTGTGCACCCTGCATCCCAATACA
 GTATGGACAATTGGCTACTGGCTCTGTTACATCAATAGCACCATCAATCCGGCCTGCTATGCGCTTTGTA
 ATGCCACCTTCAAAAAGACTTTTAAAGCACCTCCTCATGTGTCATTACAAGAACATAGGCGCTACACGGTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1533_b10.zip

Restriction Sites: SgfI-MluI

ACCN: NM_031016

Insert Size: 1401 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:	<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:	<u>NM_031016.1</u> , <u>NP_112278.1</u>
RefSeq Size:	2483 bp
RefSeq ORF:	1401 bp
Locus ID:	81645
UniProt ID:	<u>P10980</u>
Cytogenetics:	4q22
Gene Summary:	may inhibit cholinergic-mediated bronchoconstriction; may regulate bladder contraction [RGD, Feb 2006]