

## Product datasheet for **RN200992**

### Chrm1 (NM\_080773) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chrm1 (NM_080773) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chrm1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN200992 representing NM\_080773  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACACCTCAGTGCCCCCTGCTGTCTCAGTCCCAACACTGTCTTGGCACCAGGAAAGGGTCCCTGGC  
 AGGTGGCCTTCATCGGGATCACACAGGCTCCTGTCTCTAGCTACAGTGACAGGCAACCTACTGGTACT  
 CATCTCCTTCAAGGTCAACACCGAGCTCAAGACAGTCAACAACACTTCTCCTGCTGAGCCTGGCCTGTGCT  
 GACCTCATCATTGGCACCTTCTCCATGAACCTCTATACCACGTACCTGCTCATGGGCCACTGGGCTCTGG  
 GCACACTGGCCTGTGACCTCTGGCTGGCCCTGGACTATGTGGCCAGCAACGCCTCTGTATGAATCTTCT  
 GCTCATCAGCTTTGACCGTTACTTCTCGGTGACCCGACCCCTGAGCTACCGAGCCAAGCGCACTCCCCGA  
 AGGGCAGCTCTGATGATTGGCCTAGCATGGCTGGTTTCCTTCGTTCTCTGGGCCCGCCATCCTCTTCT  
 GGCAATACCTAGTTGGGAGCGGACAGTCTGGCTGGGAGTGTACATCCAGTTCCTCTCCAACCCAT  
 CATCACTTTTGGCACAGCCATGGCCGCTTCTACCTCCCTGTACGGTCACTGTGTACTGTACTGGCGC  
 ATCTACCGGGAGACAGAAAACCGAGCCCGGAGCTGGCCGCCCTGACAGGCTCTGAGACACCAGGCAAG  
 GTGGTGGCAGCAGCAGCAGCTCAGAGAGGTCACAGCCAGGGGCTGAAGGCTCACCCGAGTGCCTCCAGG  
 CCGCTGCTGCCGCTGTTGCCGGGACCCAGGCTCCTGCAGGCCTACAGCTGGAAGGAAGAAGAAGAGGAG  
 GATGAAGGCTCCATGGAGTCCCTCACATCCTCCGAAGGTGAGGAGCTGGCTCAGAAGTGGTGATCAAGA  
 TGCCCATGGTAGATTCTGAAGCACAGGCACCCACCAAGCAGCCTCCCAAAAGCTCCCAAAATACAGTCAA  
 GAGGCCACCAAGAAAGCCGAGACCGAGGCGGCAAGGGCCAAAACCCGAGGGAAGGAACAGCTGGCC  
 AAGAGAAAGACCTTCTCACTGGTCAAGGAGAAGAAGGCAGCTCGGACCCCTGAGTGCCATCCTGCTGGCCT  
 TCATCCTCACCTGGACACCATATAACATCATGGTGTGTTATCTACCTTCTGCAAGGACTGTGTTCTGTA  
 AACCCCTGTGGGAGCTGGGCTACTGGCTATGCTACGTCAACAGCACTGTCAACCCCATGTGCTATGCACTG  
 TGCAACAAAGCCTTCCGGGACACGTTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG  
 AGATCCCCAAGCGCCCTGGCTCTGTGCACCGCACCCCTCCCGCCAATGC**TAA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3006\\_a11.zip](https://cdn.origene.com/chromatograms/ja3006_a11.zip)

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_080773

**Insert Size:** 1383 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](mailto: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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_080773.1</a></u> , <u><a href="#">NP_542951.1</a></u>
<b>RefSeq Size:</b>	1383 bp
<b>RefSeq ORF:</b>	1383 bp
<b>Locus ID:</b>	25229
<b>UniProt ID:</b>	<u><a href="#">P08482</a></u>
<b>Cytogenetics:</b>	1q43
<b>Gene Summary:</b>	plays a role in acetylcholine receptor signaling and neuromuscular synaptic transmission [RGD, Feb 2006]