

## Product datasheet for **MC216095**

### **Chrna1 (NM\_007389) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Chrna1 (NM_007389) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chrna1
Synonyms:	A; Achr; Achr-1; Acra; AI385656; AI608266
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216095 representing NM\_007389  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGACTCTCGACTGTTCTCCTGCTGCTAGGCTCTGCTCCGCTGGCCTGTTCTGGGCTCCGAACATG  
 AGACGCGTCTGGTGGCAAAGCTTTGAAGACTACAGCAGTGTAGTCCGGCCAGTGGAGGACCACCGTGA  
 GATTGTACAAGTACCCTGGGTCTACAGCTGATCCAGCTTATCAATGTGGATGAAGTAAATCAGATTGTG  
 ACAACCAATGTACGTCTGAAACAGCAATGGGTCGATTACAACCTGAAATGGAATCCAGATGACTATGGAG  
 GAGTGAATAAATTCACATCCCCTCGGAAAAGATCTGGCGGCCGGACGTCGTTCTCTATAAACGCAGA  
 CGGCGACTTTGCCATTGTCAAATTCACCAAGGTGCTCCTGGACTACCCGGCCACATCACCTGGACACCG  
 CCAGCCATCTTTAAAAGCTACTGTGAGATCATTGCTCACTACTTCCCTTCGATGAGCAGAACTGCAGCA  
 TGAAGCTGGGCACCTGGACCTATGACGGCTCTGTGGTGGCCATTAACCCGAAAGTGACCAGCCCGACCT  
 GAGTAACCTTCATGGAGAGCGGGAGTGGGTGATCAAGGAAGCTCGGGGCTGGAAGCACTGGGTGTTCTAC  
 TCCTGCTGCCCCACCACTCCCTACCTGGACATCACCTACCACTTCGTCATGCAGCGCCTGCCCTCTACT  
 TCATTGTCAACGTCATCATTCCCTGCCTGCTCTTCTCCTTCTTAACCAGCCTGGTGTCTACCTGCCAC  
 AGACTCAGGGGAGAAGATGACGCTGAGCATCTCTGTCTTACTGTCCCTGACCGTGTCTCTTCTGGTCATT  
 GTGGAGCTAATCCCTCCACCTCCAGCGCTGTGCCCTGATCGGGAAGTATATGTTGTTCCACATGGTCT  
 TTGTCATTGCGTCCATCATCACCCTCATCGTCATCAACACACACCACCGTTCGCCAGCACCACAT  
 CATGCCCGAGTGGGTGCGGAAGGTTTTATCGACACTATCCAAACATCATGTTTTTCTCCAAATGAAA  
 AGACCATCCAGAGATAAACAAGAGAAAAGGATTTTTACAGAAGACATAGATATATCTGACATCTCTGGGA  
 AGCCGGTCCCTCACCTATGGGCTTTCACCTCCGCTGATCAAGCACCCCTGAGGTGAAAAGCGCCATCGA  
 GGGCGTGAAGTACATTGCAGAGACCATGAAGTCAGACCAGGAGTCCAATAACGCCGCTGAGGAATGGAAG  
 TATGTTGCCATGGTATGGATCACATCCTCCTCGGAGTCTTTATGCTGGTGTGTCTCATCGGGACGCTGG  
 CTGTGTTTGCAGGTGCGCTCATTGAGTTACATCAACAAGGATGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_007389

**Insert Size:** 1374 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](#)

**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\\_007389.5](#), [NP\\_031415.2](#)

**RefSeq Size:** 4320 bp

**RefSeq ORF:** 1374 bp

**Locus ID:** 11435

**UniProt ID:** [P04756](#)

**Cytogenetics:** 2 43.76 cM

**Gene Summary:** This gene encodes an alpha subunit of the muscle-derived nicotinic acetylcholine receptor, a pentameric neurotransmitter receptor and member of the ligand-gated ion channel superfamily. The alpha subunit plays a role in substrate binding and channel gating. [provided by RefSeq, Nov 2012]