

Product datasheet for **MC217038**

Chrn4 (NM_148944) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrn4 (NM_148944) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chrn4
Synonyms:	Acrb-4; Acrb4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217038 representing NM_148944
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGGGTACGCCCTGCTCCTCGTCTCTGTTCGCTCTGCTTCAGCCTGGGGACTGCCGCCTGGCCA
 ACGCAGAGGAGAAGCTGATGGATGATCTCCTGAACAAAACCCGCTACAACAACCTGATCCGCCAGCCAC
 CAGCTCCTCCAGCTCATCTCCATCCGCCTGGAGCTATCACTGTCCAGCTCATCAGTGTGAATGAGCGA
 GAACAGATCATGACCACCAGCATCTGGCTGAAACAGGAATGGACTGACTACCGCCTGGCCTGGAACAGCT
 CCTGCTATGAAGGGGTGAACATTCTGAGGATTCCTGCAAAGCGAGTCTGGTTGCCTGACATCGTGTGTA
 CAACAATGCCGATGGGACCTATGAGGTGTCTGTCTACACCAACGTGATCGTGCCTTCCAACGGCAGCATC
 CAGTGGCTGCCCCCTGCCATCTACAAGAGTGCCTGCAAGATAGAGGTGAAGCACTTCCCTTCGACCAGC
 AGAACTGCACCCTCAAATTCGCTCCTGGACCTATGACCACACAGAGATTGACATGGTCTTAAATCACC
 CACAGCCATCATGGATGACTTTACCCCCAGCGGTGAATGGGACATTGTGGCCCTCCGGGTGAAGGACA
 GTGAACCCACAGGACCCAGCTATGTGGACGTGACCTATGACTTCATCATCAAGCGCAAGCCACTCTTCT
 ACACCATCAATCTGATCATCCCTTGTGTCTCATCACGTGCTGGCTATCCTGGTCTTCTACCTGCCCTC
 CGACTGTGGGGAGAAGATGACGCTCTGCATCTCAGTGTGCTGGCACTCACATTCTTCTGCTGCTCATC
 TCCAAGATCGTGCCTCCACCTCCCTTGACATCCCTCATTGGCAAGTACCTCTTGTTCACCATGGTGC
 TGGTCACCTTTTCCATCGTCACCACTGTGTGTCTCAATGTGCACCACCGTTCACCCAGCACTCACAC
 CATGGCATCCTGGGTCAAGGAGTGTCTCCTGCACAAGTGCACCTTCTTTCATGAAGCGCCCTGGT
 CTGGAAGTCAGCCCCGCCAGGGTCCCTCATTCCAGCCAGCTGCACTTGACCACAGCTGAAGCTACGTCCA
 CCTCTGCCTTAGGCCCCAGCAGCCATCCAACCTCTATGGGAATTCATGTACTTTGTGAACCTGTCCC
 TGCCACTCCTAAGTCTGCAGTCAGCTCCACACGGCAGGCTCCCAAGGATGCCCGGTGAGGTCTCT
 GGGAGGTTCCGGCAAGATCTACAGGAAGCATTAGAGGGCGTCAGCTTCATCGCACAGCATTTGGAGAGTG
 ATGATCGAGATCAGAGTGTATCGAGGACTGAAATTCGTGCAATGGTGTGTCGACCGCCTGTTCTGTG
 GGTGTTCTGTGATTGTGTATTCTGGGCACCATGGGGCTTCTCTGCCACCCCTCTTCCAGATCCACGCA
 CCCTCCAAGGGCCT**TAG**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_148944

Insert Size: 1488 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_148944.4](#), [NP_683746.1](#)

RefSeq Size: 3486 bp

RefSeq ORF: 1488 bp

Locus ID: 108015

UniProt ID: [Q8R493](#)

Cytogenetics: 9 B

Gene Summary: After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.[UniProtKB/Swiss-Prot Function]