

Product datasheet for **MC215858**

Chrna5 (NM_176844) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna5 (NM_176844) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chrna5
Synonyms:	Acra-5; Acra5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215858 representing NM_176844
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGATCTCGAATGCAGGGTTGCCTGAGCTATCCTCTGCTGCAAACATGAAGACAGTTTGTAGGG
ATTTATTTGAAGACTATGAAAAGTGGGTTCTGTCCTGTGGAACACCTGAGTGACAAGATAAAAATCAAGTT
TGGCCTTGCAATATCTCAGTTAGTGGACGTGGATGAGAAAAACCAGCTAATGACCACCAACGTCTGGTTG
AAGCAGGAATGGATAGATGTAAGTTAAGATGGAATCCTGATGACTATGGTGAATAAAAATTATACGTG
TTCCTTCAGACTCTGTGGATCCCAGACATCGTTTTGTTTATAATGCAGACGGACGTTTTCGAAGGGGC
CAGTACGAAAACAGTTGTCAGGTACAATGGCACTGTCACCTGGACGCAGCCAGCAAACACAAAAGTTCT
TGCATATAGATGTGACCTTTTCCATTTGATCTCCAAAATTGCTCCATGAAATTCGGCTCATGGACGT
ATGATGGATCCCAGTGCATATAATCCTAGAGGACCAAGATGTCGACAGAACAGACTTTTTTGACAATGG
AGAATGGGAAATCATGAGCGCAATGGGGAGCAAGGGGAACCGGACGGACGCTGCTGCTGGTACCCCTGC
ATCACCTACTCCTTCGTGATCAAACGGCTGCCTCTCTTACACCCTGTTTCTTATCATACCCTGCATCG
GGCTCTCGTTTCTGACTGTGGTTGTCTTCTATCTCCCTTCAAACGAAGGTGAAAAGATTAGCCTGTGCAC
TTCCGTGCTGGTCTCTGACTGTCTTCTGCTGGTGATTGAGGAAATTATACCGTCATCTTCCAAAGTC
ATACCTCTGATCGGGGAGTACTTGGTGTCCACCATGATCTTCGTGACCCTATCCATTATGGTGACTGTCT
TTGCCATCAACATCCACCACCGCTCTTCTTCCACACACAATGCTATGGCGCCGTGGGTTTCGTAAGATATT
TCTCCACAAGCTTCCCAAAGTCTGCTGCATGAGAAGTCATGCCGATAGGTAAGTACTTCACTCAGAGAGAAGAA
GCCGAGAAAGACGGTGGACCTAAATCTCGGAATACTTTGGAGGCCGCGCTCGATTGCATTCGCTACATCA
CGAGACACGTAGTGAAAGAGAACGACGTCGCGAGGTTGTTGAAGATTGAAAATTCATAGCCCAAGTTCT
CGATCGGATGTTTCTATGGACGTTTCTTCTGGTTTCAATCATTGGGACGCTAGGGCTTTTTGTTCTCTGTT
ATTTATAAATGGGCAATATAATAGTCCAGTTACATTGAAAACACAATTAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3357_a09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_176844

Insert Size: 1317 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_176844.4](#), [NP_789814.2](#)

RefSeq Size: 2738 bp

RefSeq ORF: 1317 bp

Locus ID: 110835

UniProt ID: [Q2MKA5](#)

Cytogenetics: 9 29.84 cM

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]