

Product datasheet for **MC203635**

Chrna4 (NM_015730) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna4 (NM_015730) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chrna4
Synonyms:	Acra-4; Acra4; EBN1; ENFL1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC053013
CGAGCGGCCGACACGGGGCATGAAGTTGGGTGCGCGGGTCTCGGAGCGGAGCGCGGTACTGCCGG
GAGCCGCCCTCGTCTAGAGCCCTTCTGTGAGCCATGGAGATCGGGGGCTCCGGGGCGCCGCCGCTG
CTGCTCCTGCCGCTCCTGCTGCTTTAGGGACCGCCTTGCCTGCTAGCAGCCACATAGAGACCCGGG
CCCATGCGGAGGAGCGGCTCCTGAAGAGACTCTTCTGCTGCTACAACAAGTGGTCTCGGCCAGTAGCCAA
TATCTCAGATGTGGTCTTGTCCGCTTTGGCTTGTGATTGCTCAGCTCATTGATGTGGATGAGAAAAAC
CAGATGATGACGACCAACGTGTGGGTGAAGCAGGAGTGGCATGACTACAACTGCGCTGGGACCCTGGTG
ACTACGAGAATGTCACCTCCATCCGCATCCCATCTGAACCTCATCTGGAGGCTGACATCGTCTCTACAA
CAACGCGGACGGGGACTTTGCAGTCACCCACCTAACCAGCCACCTGTTCTATGATGGGCGTGTGCAG
TGGACACCCCGGCCATCTATAAGAGCTCCTGCAGCATCGACGTACCTTCTTCCCCTTCGACCAGCAGA
ACTGTACCATGAAGTTTGGGTCTGGACCTACGACAAGGCAAGATTGACTTGGTGGATGCACAGCCG
TGTGGACCAACTGGACTTCTGGGAAAGTGGGAGTGGGTATTGTGGATGCCGTGGGCACCTACAACACC
AGGAAGTATGAATGCTGTGCCGAGATCTATCCTGACATCACTACGCCTTCATCATCCGCCGACTGCCAC
TGTCTACACCATCAACCTTATCATCCCGTGCCTGCTCATCTCCTGCCTACCCGTGCTGGTCTTCTATCT
GCCCTCGGAGTGGCGGAGAAGTACAGCTGTGCATCTCGGTGCTGCTTCTCTACCCGTCTTCTGCTG
CTCATCACCGAGATCATCCCGTCCACCTCGCTGGTCACTCCCGTCACTCGGCGAGTACCTGCTTTCACCA
TGATCTTCGTACCCTCTCCATTGTCATCACGGTCTTCGTGCTCAATGTACACCACCGCTACCACGCAC
ACACCATGCCCCGCTGGTGCGCAGAGTCTTCTGGACATTGTGCCCGTCTCCTCTTCATGAAGCGC
CCATCTGTGGTCAAAGACAACCTGCCGAGACTTATCGAATCCATGCACAAGATGGCCAACGCCCTCGTT
TCTGGCCAGAGCCTGAGAGTGAAGCCGGCATCTTGGGTGACATCTGCAACCAAGGCTGTACACTGCCCC
AACTTTCTGCAACCGCATGGACACAGCAGTCGAGACCCAGCCTACATGCAGGTACCCCTCCCAAGGTC
CCTGACTTGAAGACATCAGAGGTTGAGAAGGCCAGTCCCTGTCCATCACCTGGCTCTTGTACCCACCCA
ATAGCAGTGGGGCCCCAGTGTCTATCAAAGCCAGGTCCCTGAGCGTCCAGCATGTGCCAGCTCCAGGA
AGCAGCCGAGGGCAGCATCCGCTGCCGGTCTCGGAGTATCCAGTACTGTGTTTCCCAAGATGGAGTGT
TCCCTGACTGAGAGCAAGCCACTGGCTCCCCAGCCTCCCTGAAGACCCGTCCATCCAGCTTCCAGTGT
CAGACCAGACCTCTCATGCAAATGCACATGCAAGGAACCATCTCCTGTGTCCCCATCACTGTGCTCAA
GGCTGGAGGCACCAAGCACCTCCCAACACTGCCCTGTACCAGCCCTGACACGGGCAGTAGAAGGC



[View online »](#)

```

GTCCAGTACATTGCAGACCACCTCAAGGCAGAAGACACAGACTTCTCGGTGAAGGAGGACTGAAATACG
TGGCCATGGTCATTGACCGAATCTTCTCTGGATGTTTCATCATTGTCTGCCTTCTGGGACTGTGGGACT
CTTCTGCCTCCATGGTTGGCTGGTATGATCTAGGGAATAGCGGCACCTAGCTCCAGGTCTCTACAGGG
CCATGCGACTCGTCAGTACCCACATCTTCAAACCGGCCATGAGACACCTAGGAGAGAGAGATGCTGCC
CTGGTTGACCCTGGTTCTAGTCAGGCCACAGCCCTGGTTGGAGCTAGTTGAGGACTGATATAGTTACAGG
CTGAGTCCCTCATTAAAGTTTCTCCAGAGCAAGTGACAGTCACTCCCTGGCTTACAGACAGCACACACC
ATCTGTGTACAGAGAATGATCCAGTGTGATCTCAGTTGTCTTTGAGGCCAAAACAATTCATCCCCCT
TCAGGAACCAGAGCCCTCGTGCTGTGGATTCTACGGCCAGGAAATCCCATGGTGCTCTGCTGGCC
ACACCCTCTCCCTCCCAATAATGTGGTTCCCTCAACCCTCCAGGCTGGGCTGCTCTCTGACTCAAAGGTG
TCAGATGTAAGCCCCGGCAGGTTTTTATTTTGTAGGTTGAAGCGAATTGGTAAGAAAATAGAGCAGTGA
GATATGTGGATGAGTCCCACTCACAGGTGAATGAGTGCAGGGTCTCACAGGAAGAGTGAGGCACCACAGG
ACTCTGCTTCCATCTCAGGGTACAGGCATCAATCATGAGCATTCTAGGGTCCATAAACCCGAGGAG
GGCAAGGGCATAGAGGGTCTCAGGGTGTGATGGAGCCAAATCCTGTCCAGGGCTGGGCCGTTTCATCCC
CTCATGGATCTTCTTGATATCCCTGTATGTTTCTGCCTCTCTGGAATTAGAAGACTGAAAGTAAGATTT
CTCATCAGGTCCTGTGGTGTGGCCACAGTTCACCTGAGCACATCTCTAGACCAGTAGGAGTGGTGCG
AAGCCCTTCAATGTTGTAGAATAGCGTGAGCTGCCAAGAGACTTCTAAGCAAAACAGGCTCTGTGACTC
ATTTTTCGAGGGCCATCGACCAAGTCTTAGGGTGCCTCACCTGTCTGCCTTGCCTTAGGGAAGACCC
GAGAGGTTCTCTTCCCCTTCCCAAGATGGCACCAGGCAACCTAGAGAACCACCGTGGTGGGATGGGAG
AACGAACATGCTGTGCACATCTCTATGAGATTCAGTGAAGCCCAGAACATGGGAGGCATGCAAGA
AATCACCTGTGTGCGTGGTCCCAGTTGACCCTCCGCTGTCTCCACCAGCCAGGTGGGTTTACAGAGCTG
GGCCCTGCACCCTCAGCCAAGCTGTTCTAGGCCCTGAAGCTGAGGTCCCTGTTGGATAGTCTGGGGAC
TGCAGAATGAAAGAAGAACTTAATGAACGCACCAAGCCTCCAGTAGGTACGGCTGCCACCTCCGTGGTAT
GACTTGCCCATCCCAGCTGAATGAGGATGTCAGGAAGGAGGTATGCCAGAGGGCCAGCATTGCCTTTACC
TGACTACCTACAGGCAAATCCACCTTTAAACACAGAGCTGCTGGACATCCAGGGTCTGGTGGGAAAGGA
ACTCCACACTGGGAGCCCCAGGCCATTCTATGAACAGGAAGGGGATGCAGAGGCCTGGTCTCTGAACTC
TGGATATTGTTCCAGGTCTTCCCTAGAGTCTAAGGGCATCGAGGATCCCATCTGCCATGTTTCAGTCTG
CCCTCCACTGACTGACTAGATCTCTAGCCCTATATTGGAAGTGTGGGATGCTGCAAGATGACCCTGGT
GGGGAATTCATGCCAGAATCTGGGACCAAGGGGAACACAAGCCCCAGTGATGAAGACAGCAGGTAACAC
CTGACAGATGTGTGTTCTACCATTATGGTGCATACGTGGCTCCAACCACAAGAAATGCAGACAACAGTGG
AGATCAGGGCAAGGCCATTGTGACATGGAACAGGACCGCTGTGCTGGTCTCTCAGGGTTAGGAAAAGT
AACTGCTGGGATGCTCCTGACAGGCTACCCACTTCCCCCTACCCCAACACACATTCACAAGCCAGAAA
AGGAAAATAAAACACCGTGTCTCCCCATTCCCACTCAGCCGGCCTTTTGTCTGCCTGCTCCAGTGTG
ATATGTGTTCAAGATAAAGTTCAGTTAGGGCAGAATGCTTGATTTAAGACTTTTGAACCAGTGAGCTTTA
AAGAACAGAGACTGTGTGGCCCCAGCCCTCTGATACGTAGACATTATCTCCCCAAAGCTCCCAGTCCCTC
CCAGTCTACCCCATCCCATTAGACAGCATCAACTCAAATGTGAGTCTGGAGACCAGTTCGGCTAGCCAT
CATATGTCTGGGAATCCCATATTGGACTCTGCAATGTCTGGCTTCTTTCGCTTGTGTGGCCAAGGCTCAT
CTGCGGTGTTGTGTGTGATAGACTCATTGCTGTGTGTGCTTGTGGATCTTAGTTGTTTCTGTCTGAAT
AAACCGAGTCGTGGTGTCTTCCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
```

- Restriction Sites:** Ascl-NotI
- ACCN:** NM_015730
- Insert Size:** 1890 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: [BC053013](#), [AAH53013](#)

RefSeq Size: 4508 bp

RefSeq ORF: 1890 bp

Locus ID: 11438

UniProt ID: [O70174](#)

Cytogenetics: 2 103.54 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 permeable to sodium ions.[UniProtKB/Swiss-Prot Function]