

Product datasheet for **MC206498**

Chrna2 (BC011490) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna2 (BC011490) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chrna2
Synonyms:	MGC18795
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC011490

```

ATGATATGGCCTGGACTCAAAGTACGCTTGCAGACTCTGGATGGGCTGCAGAGAGACAGGGCCTTGAAG
AAGCCAGCTCCTTGTAGTCCAACAGAAACCAGGACCCTCTGAAGCCATGGCCCCCTCCATCCTGCTTTC
CAGTTCTGGATACATCTTTATCTCTGGTGTCTGCTTCTGATGCCAGCAGTGTGGCCAGCAAGGCTCGC
ACACCCATGCCGAGGACCGCCTGTTCAAACACCTCTTTGGAGGCTACAATCGCTGGGCACGGCCAGTGCC
CAACACTTCCGATGTGGTCATCGTGCCTTTGGACTATCCATTGCACAGCTCATAGATGTGGATGAGAAG
AATCAAATGATGACCACCAATGTCTGGCTAAAGCAGGAATGGAATGACTACAAGCTGCGCTGGGACCCGG
CTGAGTTTGGCAACATCACCTCCCTCCGCGTCCCTCAGAGATGATCTGGATCCCAGACATTGTTCTCTA
CAACAATGCAGACGGGAGTTTGGCGTGACCCACATGACCAAGGCCACCTTCTTTCACGGGCACTGTG
CACTGGGTGCCCCAGCCATCTACAAGAGCTCCTGCAGCATCGACGTGACTTTCTTCCCCTTCGACCAGC
AGAACTGCAAGATGAAGTTTGGCTCCTGGACATACGACAAGGCCAAGATCGACCTGGAGCAGATGGAGCG
GACGGTGGACCTGAAGGACTACTGGGAGAGCGGGAGTGGGCCATTATCAACGCCACCGGAACCTATAAC
AGCAAGAAGTACGACTGCTGCGCGGAGATCTACCCCGACGTACCTACTACTTTCGTTATCCGCCGGCTGC
CGCTGTTCTACACCATCAACCTCATTATCCCGTGCCTGCTCATCTCCTGCCTCACCGTGCTCGTGTCTA
CTTGCCCTCTGAGTGTGGAGAGAAGATCACGCTGTGCATCTCGGTGCTGCTCCTCCTCACTGTCTTCTG
CTGCTCATCACAGAAATTATCCCATCCACCTCACTGGTGCATCCCCTCATCGGCGAGTACCTGCTTCA
CCATGATCTTCGTCACCCTCTCTATTGTGATCACAGTCTTCGTGCTCAATGTCCACCACCGTTCCCTAG
CACGCACAACATGCCAACTGGGTGAGGGTGGCCCTGCTAGGCCGGGTGCCCGGTGGCTGATGATGAAT
CGGCCCTGCCGCCATGGAGCTCCATGGCTCTCCAGGTCTGAAGCTCAGCCCCACTTATCATTGGCTGG
AGACCAACATGGATGCTGAAGAAAGGGAGGAGACAGAGGAAGAGGAGGAGGAGGAAGAAGATGAAAACAT
ATGTATGTGTGCAGGCCTCCCAGACTCTCCATGGGTGTCTCTATGGCCATGGCAGCCTGCATCTGAGG
GCCATGGGGCCTGAGGCCAAGACTCCATCCCAGGCTAGTGAGATCCTGCTGTACCTCAAATACAGAAAAG
CACTAGAAGGTGTACACTACATTGCTGACCACCTGAGGTCTGAGGATGCTGACTTTCGTTGAAGGAAGA
TTGGAAGTATGTGGCCATGGTGGTAGACCGGATCTTCTCTGGCTGTTTATTATCGTCTGCTTCTGGGG
ACCATCGGGCTTCTCCTCCCTCCGTTCTGGCTGGAATGATCTGACTTGTATGTCCTCATGTTGGCTCCA
AGGTGGCCTGGACAACCATCTTCTGCTCTTCTGTGACTGGAGCCATCTCTAGAATATTCTTTGACTTAA
TGCCACCTGCCTGCGATGTTTCTACGAGGCCCTGATCTAGCCTGGACTCATATCCTCCTGTCAACAG

```



[View online »](#)

```

TTCATGGTGCCATTGCGGTGACAAGCACTGAGACCACTCAACATGACAACATTTTAGGGATGCTGAGGAA
CTAGAAGAGGTGAAGGCTGCTCTGTAGGTGATGACAACATGGTGGTGATATGGGGGAGAGCAAGATAGT
TCTGAAAGAGCATATAGGAGTTGTCTATGGCAAAAGGGTCAAACAAGGGATGGAGGGTTCAGACCAGGA
CAAAGGGAATAGAACTGGCCAAAGATGGGCACAAGGGGACAATGGGAGTGCCTGGTGTGGAAGAGT
TCTGCACAACACTGTGGATTGAGAAATGTCAGAGAGGACAGCCAGCTGGGGTGGGAGGCTGGGAGGCAAG
TTGGGATATTTTTGACCCAGGCCAAGAAGAAGCTCAGAGTCTGCACTGAACTGTCTCTATGCACTTTG
CAGGAAATGTCAGAGGGACAGGGTACTTCCCAAAGAGTGGGGCACAAGAAAGTTCTAGAGCAGTGGC
TTTCAACCTGTGTCGTGGTTGCAACCCTTCAGGGAGTCAAACGACCCTTTCACAGGGGTACATATCAG
ATATCCTGCATATCAGATGTTTTACATGACAGTCCATAACAATATCAAAATTAAGTGTATGAAGTTGAAA
TGAAAACAATTTTGTGGTTGGGGTCAACAACATGAGGAACTGTAAAGGGTCATAGCATTAGGAAGTTGAG
AACCACTGATCTAGGTGCCCTGGTGGATGCTTGAGGCAGAATAGCAACATTGGGTATAAGTTGCTGGGCC
ATTATTCAACCAAAAGCACTTTGGAGCCTTCAAGTTCCCCTCAGTGTCTGCTCACTGTTCTATGCTAC
AAAAAAGAGGTATAGCAATTTCTACAAGGATCAGGGCTACCTTCAAATCAAGAGGACAAAGTAAGAAG
GCAGTCTCCAATGTTGGACCCTTCTTGTGTCCACAGGGACCTGGTCTCAATTCCTGGCTCTGTCAGC
ATGCCCTACATAGGAACTGAGATCTTTGCATCAAGCTCTTTCAATTGTGTGCTCCTTCAGGGCAGAGTCT
CTGCTCTTGTGCTTTCCTCATCTGAGCTGGGTGAGAGAGCTCAGTAGCTGGACCCTCCATCGTGAGT
AGTGGAGAGAAACCAACCTGGTAGCTTTAGGCTCCAGAAGTCTACATAATACCAAGCTTTGGGGGAGG
ACTCTTCCCAGTCTTCCAGGGCCCCATCAGGTGACTAACCTGCTCTGAACTGTCTGTAGCTTGTGTT
CTTTTACTTGTAAATTTCCACGACCCTTTCATTGCATAGAAGCCCAGCGGATTGGGCTTTTGAACATTC
TGCAGTCCCCAAGGAATTAGGTCCCAGACGCTAACAGCAATGAGATTCAGGGTCACTAAGAGATATAGAG
ACCAAGTTTGTCTCTGTCTTGGGGTGTCTCCTTCCGAACCCACACACAGCACCTCGACAGACCTAGG
AGATCTGCTTGTGCGGAGGCCCTTACCAGACTTCTGTTACCAGTTCTAATGATACCCACTCAGTCTCAGG
CCTTGGCTCCCCCTTCTCCACTGAATGCAGCCGGCACCTTTTTCTCTGTGTCAAACCCCAAGACATGA
TTTCTCATGCAGAGATGCTTGTGGATGATCCCTACCCCCATCCTCCTTGCATGTGAGTGAATGTCA
AAATAAGCTAAATGTCTGCCGTCAAAAAAAAAAAAAA
    
```

- Restriction Sites:** EcoRI-NotI
- ACCN:** BC011490
- Insert Size:** 1539 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:** [BC011490](#), [AAH11490](#)
- RefSeq Size:** 3540 bp
- RefSeq ORF:** 1539 bp

Locus ID: 110902

Cytogenetics: 14 34.36 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]