

Product datasheet for **RN214926**

Chrna2 (NM_133420) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna2 (NM_133420) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chrna2
Synonyms:	ACHR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214926 representing NM_133420
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCTTTCCATTCTGCTCTCCAGTCTGGACACATCTTTATCTCTGGTGTCTCCTTCTGGTGCCAG
 CAGTGTGACCCAGCAAGGCTCACACACCCATGCTGAGGACCGCCTGTTCAAACACCTGTTTGGAGGCTA
 CAATCGCTGGGCACGGCCAGTGCCCAACACTTCTGATGTGGTCATCGTGGCTTTGGATTATCCATTGCT
 CAGCTCATAGATGGATGAGAAGAATCAAATGATGACCACCAATGTCTGGCTAAAGCAGGAATGGAATG
 ACTACAAGCTGCGCTGGGACCGGCTGAGTTTGGCAATGTACCTCCCTGCGCGTCCCTTTCAGAGATGAT
 CTGGATCCAGACATTGCTCTACAACAATGCAGATGGGGAGTTTGGGTGACCCACATGACCAAGGCT
 CACCTCTTCTTCAGGGCACTGTGACTGGGTGCCCCAGCCATCTACAAGAGCTCTGCAGCATCGATG
 TGACCTTCTTCCCTTCGACCAGCAGAAGTGAAGATGAAGTTTGGCTCTGGACATATGACAAGGCCAA
 GATCGATCTGGAGCAGATGGAGAGGACAGTGGACCTGAAGGACTACTGGGAGAGTGGCGAGTGGCCATT
 ATCAATGCCACCGGAACCTATAACAGTAAGAAGTACGACTGCTGCGCGGAGATCTACCCCGATGTCACCT
 ACTACTTTGTGATCCGCCGGCTGCCGCTGTTCTATACCATCAACCTCATCATCCCATGCCTGCTCATCTC
 CTGCCTCACTGTGCTCGTGTCTACCTGCCTTCCGAGTGTGGAGAGAAGTACAGCTGTGCATCTCGGTG
 CTGCTATCTCACTGTCTTCTGCTGCTCATCACGGAGATCATCCCGTCCACCTCGCTGGTCATCCAC
 TCATCGGCGAGTACCTGCTCTTACCATGATCTTTGTACCCTCTCTATCGTTATCACAGTCTTCGTGCT
 CAATGTACACCACCGCTCCCCAGCACCCACAACATGCCAACTGGGTAAAGGTAGCCCTGCTAGGCCGG
 GTGCCCAGGTGGCTGATGATGAACCGGCCCTGCCACCTATGGAGCTCCATGGCTCCCCGGATCTGAAGC
 TCAGCCCCTCATACCATTGGCTAGAGACTAACATGGATGCTGGAGAAAGGAGGAGACAGGAAGAGGA
 GGAAGAAGAAGATGAAAACATATGTGTGTGTCAGGCCTTCCAGACTCTTCGATGGGTGCTCTATGGC
 CATGGCGGCTGCATCTGAGAGCCTGAGGCTGAGACCAAGACTCCATCCCAGGCTAGCGAGATTCTGC
 TGTACCTCAAATACAGAAAGCACTAGAAGGTGTACACTACATTGCTGACCGTCTGAGGTCTGAGGATGC
 TGACTCTCGGTGAAGGAAGACTGGAAGTATGTGGCCATGGTGGTAGACCGGATATTCTCTGGCTGTTCC
 ATTATCGTCTGCTTCTGGGGACCATCGGACTCTTCTTCTCCATTCTGGCTGGAATGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_133420

Insert Size: 1536 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_133420.1](#), [NP_596911.1](#)

RefSeq Size: 1931 bp

RefSeq ORF: 1536 bp

Locus ID: 170945

UniProt ID: [P12389](#)

Cytogenetics: 15p12

Gene Summary: agonist-binding subunit of neuronal nicotinic acetylcholine receptor [RGD, Feb 2006]