

## Product datasheet for **RN210553**

### **Chrn1 (NM\_012528) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Chrn1 (NM_012528) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chrn1
Synonyms:	Acrb; nAChR; RNACRB1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210553 representing NM\_012528  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCCTTAGGGCGCTGCTTCTGATTCTGGGATACTCGGGACGCCCTCGCCCCAGGAGCCCGGGT  
CGAAGCCGAAGGCCAACTGCTTAAGAACTTTCTCGGATTATGATAGCTCAGTAAGGCCGGCGCAGGA  
GGTGGGAGACCGCTCGGGTACAGCATCGGCCTCACCTGGCGCAACTCATCAGCCTGAACGAGAAGGAT  
GAAGAAATGAGCACAAAGGTGACTTAGACCTGGAGTGGACCGACTACAGGTTAAGCTGGGACCCCGCAG  
AACACGATGGCATCGAGTCTCTCCGTGCTACTGCTGAATCTGTTGGCTCCCGACGTGGTCTGCTGAA  
CAACAATGATGAAAACCTTGACGTTGCCCTGGACATTAATGTCGTGGTGCCTTTGAGGGCTCTGTGCGC  
TGGCAACCCCTGGCCTGTATCGCAGCAGTGCAGCATCCAGGTCACCTACTTCCCCTTTGACTGGCAGA  
ATTGCACCATGGTGTAGTTCTACAGCTATGACAGCTCTGAGGTCAGCCTGAAGACAGGCCAGATCC  
TGATGGACAGGAGGCCAGGAACTACATCCATGAAGGGACCTTCATCGAGAATGGTCAATGGGAGATT  
ATCCACAAACCTCTAGTTAATCCACCTCCAGGGGATCGAAGAGGAGGGAAGGAGACATCGTGAGG  
AAGTTATCTTCTATCTCATTATTCGGAGGAAGCCTCTCTTCTACCTGGTCAATGTCAATGCCCGTGCAT  
CCTCATCACCTCCTGGCCATCTTTGTTTTCTACCTTCCACCAGATGCAGGAGAGAAGATGGGGCTCTCC  
ATCTTTGCCCTGCTGACCCTCACTGTGTTCTTGCTGCTGCTGGCCGACAAAGTGCCTGAGACCTCCCTGG  
CGGTCCCATCATCAAGTATCTCATGTTTACCATGATCCTTGTACCTTCTCAGTTATCCTTAGCGT  
TGTGGTCTCACTTGCACCATCGCTCACCCACACCCACAAATGCCCTTTGGGTCCGCCAGATCTTC  
ATTCACAAGCTCCCTCCATACCTGGGTCTGAAGAGGCCAAACCCGAGAGAGACCAACTACCCGAACCAC  
ATCACTCCTTCTCCCAAGGAGTGGCTGGGGCCGAGGAAGTGAATATTTACGGAAGCCTCCATC  
TGATTTCTTTTCCCTAACTTAACAGGTTTACAGCTGAATCACCTGCTCCGGACCTGAGACGATTTATC  
GATGGTCCACCCGGGCTGATAGTCTGCCTCAGGAGCTACGCGAGGTCATTTCTCCATCAGCTACATGG  
CCCACAACCTCAGGAACAGGAGGACCAGATGCACTGAAGGAGGACTGGCAGTTTGTGCCATGGTTGT  
GGACCGTCTTTTCTGTGGACATTCATCGTTTTACAAGCGTCCGGACGCTAGTCATTTCTAGATGCC  
ACGTACCATTTGCCCTCCTGAACCTTTTCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_012528

**Insert Size:** 1506 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\\_012528.1](#), [NP\\_036660.1](#)

**RefSeq Size:** 2283 bp

**RefSeq ORF:** 1506 bp

**Locus ID:** 24261

**UniProt ID:** [P25109](#)

**Cytogenetics:** 10q24

**Gene Summary:** beta subunit of the nicotinic acetylcholine receptor; can assemble into functionally different acetylcholine receptor channel subtypes [RGD, Feb 2006]