

Product datasheet for **RN213099**

Chrn2 (NM_019297) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrn2 (NM_019297) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chrn2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213099 representing NM_019297
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGGGCACTCCAACCTCAATGGCGCTGTTAGCTTACGCTTCTTTGGCTGTGCTCAGGGGTTTTGG
GAACTGACACAGAGGAGCGGCTAGTGGAGCATCTTAGATCCCTCCCGCTATAACAAGCTGATTGCTCC
AGCTACTAACGGCTCTGAGCTGGTACTGTACAGCTCATGGTATCATTGGCTCAGCTCATTAGTGTGCAC
GAGCGGGAGCAGATCATGACCACCAATGTCTGGCTGACCCAGGAGTGGGAAGATTACCGCTCACATGGA
AGCCTGAGGACTTCGACAATATGAAGAAAGTCCGGCTCCCTTCAAACACATCTGGCTCCAGATGTGGT
TCTATAACAACATGTGACGGCATGTACGAAGTCTCTTCTATTCCAATGCTGTGGTCTCCTATGATGGC
AGCATCTTTGGCTACCACCTGCCATCTACAAGAGTGCATGCAAGATTGAGGTGAAGCACTTCCCATTG
ACCAGCAGAATTGCACCATGAAGTTTCGCTCATGGACCTACGACCGTACTGAGATTGACCTGGTGTCAA
AAGTGATGTGGCCAGTCTGGATGACTTACACCCAGCGGGGAGTGGGACATCATCGCACTGCCAGGCCGA
CGCAACGAGAACCAGACGACTCCACCTATGTGGACATCACTATGACTTCATCATTTCGTCGAAACCAC
TCTTCTACACTATCAACCTCATCATCCCTGCGTACTCATCACCTCGCTGGCCATCCTGGTCTTCTACCT
GCCCTCAGACTGTGGTAAAAGATGACACTTTGTATTTCTGTGCTGCTAGCACTCACGGTGTTCCTGCTG
CTCATCTCCAAGATTGTGCCTCCACCTCCCTCGATGTACCGTGGTGGGCAAGTACCTCATGTTTACCA
TGGTGCTAGTACCTTCTCCATCGTCACCAGCGTGTGTGTGCTCAATGTGCACCACCGCTCGCCTACCAC
GCACACCATGGCCCCCTGGTCAAGTGGTCTTCTGGAGAAGCTGCCACCCCTGCTTCTCCTGCAGCAG
CCACGCCACCGCTGTGCACGTACGCGTCTGCGCTTGAGGAGGCCAGCAGAGCGTGAGGGCGCAGGCCG
CGCTTTTCTTCCGTGAAGTCTTCCGCTGACCCATGTACCTGCTTTGTCAACCCATGATGATGACAGGG
CTTGGCTGGGGCTTCCGAGCTGAGCCACTGCAGCCGCGCCGGGCGCTCTGTGGGCCATGCAGCTGT
GGCCTCCGGGAAGCAGTGGATGGCGTACGCTTATTGCGGACCACATGCGAAGTGAAGATGATGACCAGA
GTGTGAGGGAGGACTGGAATACGTTGCCATGGTATCGACCGCTGTTCTCCTGTGGATCTTTGTCTTTGT
CTGTGTCTTTGGGACCGTCGGCATGTTCTCCTGCAGCCTCTTCCAGAACTACACTGCCACTACCTTCTCCT
CACCTGACCACTCAGCTCCAGCTCCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1692_e02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_019297

Insert Size: 1503 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_019297.1](#), [NP_062170.1](#)

RefSeq Size: 2197 bp

RefSeq ORF: 1503 bp

Locus ID: 54239

UniProt ID: [P12390](#)

Cytogenetics: 2q34

Gene Summary: co-assembles with the alpha 7 subunit to form a functional heteromeric nicotinic acetylcholine receptor [RGD, Feb 2006]