

## Product datasheet for **MR207420**

### Chrnb3 (NM\_173212) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chrnb3 (NM_173212) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrnb3
Synonyms:	5730417K16Rik; Acrb3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207420 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACAGGCTTCCTACGGGTCTTCTGGCTCTCAGTGCCACTCTCTCAGTTCTCGGGTACTCTCACAG  
 CCACTGCGGGACTCAGCTCAGTGGCTGAACATGAAGACGCACTCCTCAGACATTTGTTCCAAGTTATCA  
 GAAATGTGTCCGCCCTGTGTTGAATCCAGTGACATCATAAAAAGTGATTTTGGATTAAAGATATCTCAG  
 CTTGTAGATGTGGATGAAAAGAATCAGCTGATGACAACAAACGTGTGGCTGAAGCAGGAATGGACAGACC  
 AAAAATTACGATGGAATCCCGAAGACTATGGTGAATTAATTCGATAAAGTTCCATCGGAGTCGCTCTG  
 GCTGCCTGACATAGTTCTCTTTGAAAATGCTGACGGACGTTTTGAGGGCTCTCTCATGACCAAGGCCATT  
 GTGAAATCCAGCGGAACCGTCAGTTGGACTCCTCCGCCAGCTACAAAAGTTCCTGTACCATGGATGTCA  
 CATTTTTCCCGTTCGATAAGCAGAAGCTCAATGAAGTTCGGATCCTGGACTTACGATGGTACCATGGT  
 CGACCTCATTCTGATCAATGAAAACGTTGACCGGAAAGACTTTTTTGATAACGGAGAGTGGGAGATACTA  
 AATGCAAAGGGGATGAAGGGCAACAGAAGAGAAGGCTTTTACTCCTATCCGTTTGTACCTACTCTTTTG  
 TTCTGAGACGCCTGCCCTGTTTACACCTCTTTTTGATAATCCCTGCCTGGGGCTGTCTTTTCTCAC  
 GGTCTGGTGTCTACCTACCCTCCGACGAAGGGGAAAACTCTCCTTATCCACCTCGGTTTTGGTTTCT  
 TTGACAGTGTCTTTTAGTAATCGAAGAAATAATCCCGTCTTCTTCAAAGTCACTCCTCATTGGGG  
 AGTACCTCCTCTCATTATGATATTTGTCACGCTGTCTATTATTGTCACGGTTTTTGAATTAATGTCCA  
 CCACAGATCTTCTCAACGTACCATCCCATGGCCCCCTGGGTGAAGAGGCTGTTTCTGGAAAACTCCCG  
 AGATGGCTTTGCATGAAGGACCCAGGGACCGCTTCTCTTCCCGATGGAACGGAGAGTAAGGGAACCG  
 TGAGGGGAAATTTCCAGGGAAAAGAAGCAGACTCCTACCAGTGTGGAGAAAGAGTTCTGGTCGCTTT  
 CCTGGAGAAGGCCTCTGAGTCCATCAGATACATCTCGAGGCATGTGAAGAAGGAACACTTCATCAGTCAG  
 GTTGTTCAAGACTGAAAATTCGTGGCTCAGGTTCTTGACCGCATCTTCTCTGGCTCTTTCTGACAGCTT  
 CGGTTTTGGGCTGTGCTGATTTTTATTCCAGCCTTGAAGATGTGGATACATCGTTTCCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207420 protein sequence  
 Red=Cloning site Green=Tags(s)

MTGFLRVFLALSATLSGSVWTLTATAGLSSVAEHEDALLRHLFQGYQKVRPVLNSSDIKIVYFGLKISQ  
 LVDVDEKNQLMTTNVWLKQEWTDQKLRWNPEDYGGINSIKVPSESLWLPDIVLFENADGRFEGSLMTKAI  
 VKSSGTVSWTPPASYKSSCTMDVTFPFDKQNCMSMKFGSWTYDGMVDLILINENVDRKDFDNGEWEIL  
 NAKGMKGNRREGFYSPFVYTSFVLRRLPLFYTLFLIIPCLGLSFLTVLVFYLPSEGEKLSLSTSVLVS  
 LTVFLLVIEEIIIPSSKVIPLIGEYLLFIMIFVTLIIIVTVFVINVHRSSTYHPMAPWVKRLFLEKLP  
 RWLCMKDPRDRFSFPDGTESKGTVRGKFPKQKQTPSDGERVLVAFLEKASESIRYISRHVKKEHFISQ  
 VVQDWKFVAQVLDRIFLWLFLTASVLGSVLIFIPALKMWIHRFH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_173212

**ORF Size:** 1395 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_173212.4](#), [NP\\_775304.1](#)

**RefSeq Size:** 4692 bp

**RefSeq ORF:** 1395 bp

**Locus ID:** 108043

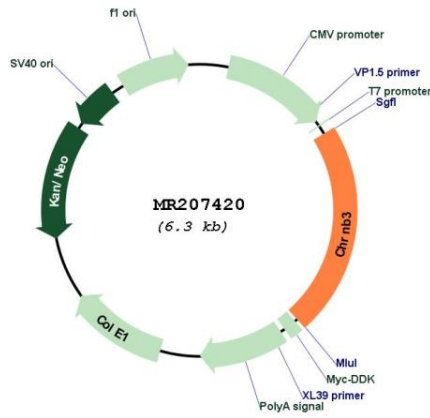
**UniProt ID:** [Q8BMN3](#)

**Cytogenetics:** 8 A2

**MW:** 53.1 kDa

**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]

**Product images:**



Circular map for MR207420