

Product datasheet for **MG207420**

Chrnb3 (BC058193) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrnb3 (BC058193) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chrnb3
Synonyms:	5730417K16Rik; Acrb3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207420 representing BC058193
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGGCTTCTACGGGTCTTCTGGCTCTCAGTGCCACTCTCTCAGTTCTCGGGTACTCTCACAG
 CCACTGCGGGACTCAGCTCAGTGGCTGAACATGAAGACGCACTCCTCAGACATTTGTTCCAAGTTATCA
 GAAATGTGTCCGCCCTGTGTTGAATCCAGTGACATCATAAAAAGTGATTTTGGATTAAAGATATCTCAG
 CTTGTAGATGTGGATGAAAAGAATCAGCTGATGACAACAAACGTGTGGCTGAAGCAGGAATGGACAGACC
 AAAAATTACGATGGAATCCCGAAGACTATGGTGAATTAATTCGATAAAGTTCCATCGGAGTCGCTCTG
 GCTGCCTGACATAGTTCTCTTTGAAAATGCTGACGGACGTTTTGAGGGCTCTCTCATGACCAAGGCCATT
 GTGAAATCCAGCGGAACCGTCAGTTGGACTCCTCCGCCAGCTACAAAAGTTCTGTACCATGGATGTCA
 CATTTTTCCCGTTCGATAAGCAGAAGCTCAATGAAGTTCGGATCCTGGACTTACGATGGTACCATGGT
 CGACCTCATTCTGATCAATGAAAACGTTGACCGGAAAGACTTTTTTGATAACGGAGAGTGGGAGATACTA
 AATGCAAAGGGGATGAAGGGCAACAGAAGAAGGCTTTTACTCCTATCGTTTTGTACCTACTCTTTTG
 TTCTGAGACGCCTGCCCTGTTTTACCCCTCTTTTTGATAATCCCTGCCTGGGGCTGTCTTTTCTCAC
 GGTCTGGTGTCTACCTACCCTCCGACGAAGGGGAAAACTCTCCTTATCCACCTCGGTTTTGGTTTCT
 TTGACAGTGTCTTTTAGTAATCGAAGAAATAATCCCGTCTTCTTCAAAGTCACTCCCTCATTGGGG
 AGTACCTCCTCTCATTATGATATTTGTACGCTGTCTATTATTGTCACGGTTTTTGAATTAATGTCCA
 CCACAGATCTTCTCAACGTACCATCCCATGGCCCCCTGGGTGAAGAGGCTGTTTCTGGAAAACTCCCG
 AGATGGCTTTGCATGAAGGACCCAGGGACCGCTTCTCTTTCCCGATGGAACGGAGAGTAAGGGAACCG
 TGAGGGGAAAATTTCCAGGGAAAAAGAAGCAGACTCCTACCAGTGTGGAGAAAGAGTTCTGGTCGCTTT
 CCTGGAGAAGGCCTCTGAGTCCATCAGATACATCTCGAGGCATGTGAAGAAGGAACACTTCATCAGTCAG
 GTTGTCAAGACTGAAAATTCGTGGCTCAGGTTCTTGACCGCATCTTCTCTGGCTCTTTCTGACAGCTT
 CGGTTTTGGGCTCTGCTGATTTTTATTCCAGCCTTGAAGATGTGGATACATCGTTTCCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207420 representing BC058193
 Red=Cloning site Green=Tags(s)

MTGFLRVFLALSATLSGSWVTLTATAGLSSVAEHEDALLRHLFQGYQKCVRPVLSNDDIIVYFGLKISQ
 LVDVDEKNQLMTTNVWLKQEWTDQKLRWNPEDYGGINSIKVPSESLWLPDIVLFENADGRFEGSLMTKAI
 VKSSGTVSWTPPASYKSSCTMDVTFPPFDKQNCMSMKFGSWTYDGMTVDLILINENVDRKDFDNGEWEIL
 NAKGMKGNRREGFYSPFVTYSFVLRRLPLFYTLFLIIPCLGLSFLTVL VFYLP SDEGEKLSLSTSVLVS
 LTVFLLVIEEIIIPSSKVIPLIGEYLLFIMIFVTLIIIVTVFVINVHRSSTYHPMAPVWKRLFLEKLP
 RWLCMKDPRDRSFDPDGTESKGTVRGKFPGKKQTPTS DGERVL VAFLEKASESIRYISRHVKKEHFISQ
 VVQDWKFVAQVLDRIFLWFLTASVLSVLIFIPALKMWIHRFH

TRTRPLE - GFP Tag - V

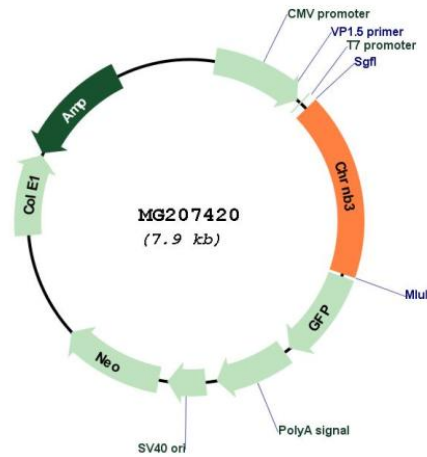
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC058193

ORF Size: 1394 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:	<ol style="list-style-type: none">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:	<u>BC058193</u> , <u>AAH58193</u>
RefSeq Size:	4454 bp
RefSeq ORF:	1394 bp
Locus ID:	108043
Cytogenetics:	8 A2
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]