

## Product datasheet for **MR208044**

### **Chrn1 (NM\_009601) Mouse Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	Chrn1 (NM_009601) Mouse Tagged ORF Clone
<b>Tag:</b>	Myc-DDK
<b>Symbol:</b>	Chrn1
<b>Synonyms:</b>	Achr-2; Acrb
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-Entry (PS100001)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208044 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTTAGGGCGCTGCTTCTGCTTCTAGGGTACTCGGGACGCCCTCGCCCCAGGCGCCCGGGT  
 CGGAAGCCGAAGGCCAACTGATTAAGAACTTTTCTCCAACATATGATAGCTCGGTGAGGCCGGCGGGGA  
 GGTGGGAGACCGCGTCGGGGTCAGCATCGGCCTCACCTGGCGCAACTCATCAGCCTGAACGAGAAGGAT  
 GAAGAAATGAGCACAAAGGTGACTTAGACCTGGAGTGGACCGACTACAGGTTAAGCTGGGACCCCGCAG  
 AACATGATGGCATCGATTCTCTCCGCATCACTGCTGAATCCGTTTGGCTCCCTGATGTGGTCTGCTGAA  
 CAACAATGACGGAAATTCGACGTTGCCCTGGACATCAATGTCGTGGTATCTTTTCGAGGGCTCTGTGCGC  
 TGGCAACCCCTGGCCTGTACCGCAGCAGCTGCAGCATCCAGGTCACCTACTTCCCCTTTGACTGGCAGA  
 ACTGCACCATGGTGTAGTTTCTACAGCTATGACAGCTCTGAGGTCAGCCTGAAGACGGGCTGGATCC  
 TGAAGGAGAGGAGAGGCAGGAAGTCTACATTCATGAAGGGACCTTCATTGAGAATGGCCAAATGGGAGATT  
 ATCCACAAACCTTCTAGGTTAATCCAACCTCCAGGGGATCAGAGAGGTGGGAAGGAAGGGCATCATGAGG  
 AAGTTATCTTCTATCTCATTATTCGCGCGAAGCCTCTCTTCTACCTGGTCAACGTCATTGCCCATGCAT  
 CCTCATACGCTCCTGGCCATCTTTGTCTTCTACCTCCCACCAGATGCAGGAGAGAAGATGGGGCTCTCC  
 ATCTTTGCCCTGCTGACGCTCACTGTGTTCTTGTCTGCTGTTGGCCGACAAAGTGCCTGAGACCTCCCTGG  
 CGGTGCCCATCATTATCAAGTACCTCATGTTTACCATGGTCTTGTACCTTCTCCGTTATCCTTAGTGT  
 TGTGGTCTCAACCTGCATCATCGCTCACCCACACCCACAAATGCCCTTTTGGTCCGCCAGATCTTC  
 ATTCACAAGCTCCCTCCATACCTGGGTCTGAAGAGGCCAAACCCGAGAGAGACCAACTCCCTGAACCA  
 ATCACTCTTTTCTCAAGTAGTGGCTGGGGCAGAGGAAGTGAATATTTTCATCCGGAAGCCTCCAAG  
 TGATTTTCTTTTCCCTAACTTAACAGGTTTTCAGCCTGAATCATCTGCCCGGACCTGCGACGATTTATC  
 GATGGTCAACCCGGGCTGTAGGTCTGCCTCAGGAGCTACGAGAGGTCAATTCCTCAATCAGCTACATGG  
 CCCGACAGCTTACGGAACAGGAGGACCAGCAGCACTGAAGGAGGACTGGCAGTTTGTGGCCATGTTGT  
 GGACCGCTTTTTCTGTGGACATTCATCGTTTTTACAAGCGTCGGGACCCCTAGTCATTTTCTAGATGCC  
 ACGTACCATTTGCCCCCTCTGAACCTTTCCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208044 protein sequence  
 Red=Cloning site Green=Tags(s)

MALGALLLLLVGLTPLAPGARGSEAEQGLIKKLF SNYDSSVRPAREVGDVRGVSIGLTLAQLISLNEKD  
 EEMSTKVYLDLEWTDYRLSWDPAEHDGIDSLRITAESVWLPDVLLNNNDGNFDVALDINVVVSFEQSVR  
 WQPPGLYRSSCSIQVTFYFPFDWQNTMVFSSYSYDSSEVSLKTGLDPEGEERQEVYIHEGTFIENGQWEI  
 IHKPSRLIQLPGDQRGGKEGHHEEVIFYLIIRKPLFYLVNVIAPCILITLLAIFVFYLPDAGEKMGLS  
 IFALLTLTVFLLLADKVPETSLAVPII IKYLMFTMVLVTF SVILSVVVLNLHHRSPHTHQMPFWVRQIF  
 IHKLPPYLGLKRPKPERDQLPEPHSLSPSSGWGRGTDEYFIRKPPSDFLFPKLNRFQPESSAPDLRRFI  
 DGPTRAVGLPQELREVISSISYMARQLQEEDHDALKEDWQFVAMVVDRLFLWTFIVFTSVGTLVIFLDA  
 TYHLPPPEFPF

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_009601

**ORF Size:** 1506 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\\_009601.3](#), [NP\\_033731.2](#)

**RefSeq Size:** 2151 bp

**RefSeq ORF:** 1506 bp

**Locus ID:** 11443

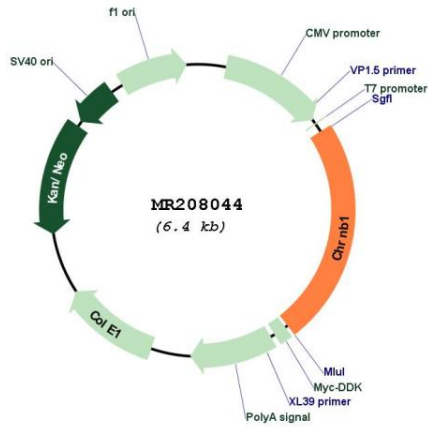
**UniProt ID:** [P09690](#)

**Cytogenetics:** 11 42.87 cM

MW: 56.9 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 MR208044