

## Product datasheet for **RR210754**

### Chrna5 (NM\_017078) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna5 (NM_017078) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrna5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR210754 representing NM\_017078  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGTGCGGGGGTCGCGGCGCGCGCTGCGCTGCTCTTGATGGTGCAGCTGCTGGCAGGGCGCT  
 GGCGGCCGACCGGGCGCGCGGGCACGCGGGAGGGTTGCCTGAACTATCCTCTGCTGCCAAACATGA  
 AGACAGCTTGTTAGGGATTTATTTGAAGACTACGAAAGGTGGGTTGCGCCTGTGGAACACCTGAGCGAC  
 AAGATAAAAAATCAAGTTTGGCCTTGCATATCTCAGTTAGTGGACGTGGATGAGAAAAACAGCTGATGA  
 CGACGAACGTCTGGTTGAAGCAGGAATGGATAGATGTGAAATTGAGATGGAATCTGACGATTATGGTGG  
 GATAAAGATTACGTGTTCTTCGACTCCCTGTGGATCCCAGACATCGTTTTTGTTCGATAATGCAGAT  
 GGACGTTTTGAAGGGCCAGCACGAAAACAGTTGTGAGTACAACGGCACTGTACGTGGACGCAACCGAG  
 CAAACTACAAAAGTTCTGCACCATCGACGTTACCTTTTTCCCGTTTGATCTCCAAAATTGTTCCATGAA  
 ATTCGGCTCGTGGACATACGATGGATCCCAGTTGATATAATCCTAGAGGACCAAGATGTCGACAGAACA  
 GACTTTTTCGACAATGGAGAGTGGGAAATCATGAGCGCGATGGGAGCAAGGGGAACCGGACGGACAGCT  
 GCTGCTGGTACCCTACATCACGTACTCCTTTGTGATTAAGCGGCTGCCTCTCTTCTATACCTTGTTCCT  
 TATTATCCCTGCATTGGGCTCTCATTTCTGACTGTGGTTGTCTTCTATCTCCCTTCAAACGAGGGTGAA  
 AAGATTAGCCTCTGCACCTCAGTGTCTCTCTGACTGTCTTCTTTGGTAATCGAAGAGATCATAC  
 CGTCATCTTCAAAGTCATACCCTGATTGGGGAGTACTTGGTGTTCACCATGATTTTCGTGACCCTATC  
 CATTATGGTGACTGTCTTTGCCATCAACATCCACCACCGCTCTTCTCCACACAACGCATAGGCGCCC  
 TGGGTTTCGTAAGATATTTCTCCACAAGCTTCCCAAGCTGCTGTCATGAGAAGTCATCGGATAGGTACT  
 TCACTCAGAGAGAAGAAGCCGAGAGTGGGCTGGACCTAAATCTCGGAACACTTTGGAAGCCGACTCGA  
 TTGCATTCGCTACATCACGAGGCACGTCGTGAAAGAGAACGACGTCGCGGAGGTTGTTGAAGATTGGAAA  
 TTCATAGCCCAAGTCCTTGATCGGATGTTTTGTGGACGTTTCTTCTGGTGTCAATCATTGGGACTTTAG  
 GGCTTTTTGTCTGTTATTTATAAATGGGCCAATATAATAGTCCAGTTCACATTGAAAACACAATTAA  
 G

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR210754 representing NM\_017078  
 Red=Cloning site Green=Tags(s)

MAVRGSRRLRLLLMVQLLAGRWRPTGAARGTRGGLPELSSAAKHEDSLFRDLFEDYERWVRPVEHLS  
 KIKIKFGLAISQLVDVDEKNQLMTTNVWLKQEWIDVKLRWNPDDYGGIKIIRVPSDSLWIPDIVLFDNAD  
 GRFEGASTKTVVRYNGVTWTQPANYKSSCTIDVTFPPFDLQNCMSKFGSWTYDGSQVDIILEDQDVRT  
 DFFDNGEWEIMSAMGSKGNRTDSCCWYPYITYSFVIKRLPLFYTLFLIIPCIGLSFLT VVVVYFLPSNEG  
 KISLCTSVLVSLTVFLLVIEEIIIPSSSKVIPLIGEYLVFTMIFVTLSIMVTVFAINIHRSSSTHNAMAP  
 WVRKIFLHKLPKLLCMRSHADRYFTQREEAESGAGPKSRNTLEAALDCIRYITRHVVKENDYREVVEDWK  
 FIAQVLDLRFWTFLLVSIIGTLGLFVPVIYKWANIIVPVHIGNTIK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_017078

**ORF Size:** 1401 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\\_017078.2](#), [NP\\_058774.2](#)

**RefSeq Size:** 3007 bp

**RefSeq ORF:** 1404 bp

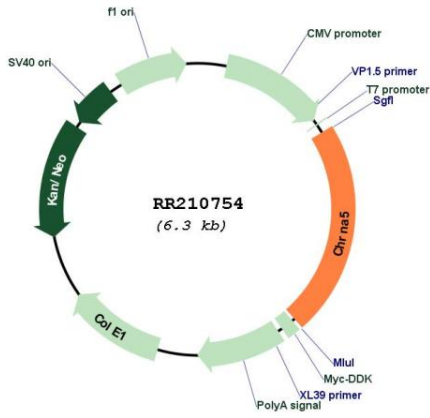
**Locus ID:** 25102

**Cytogenetics:** 8q24

**MW:** 53.5 kDa

**Gene Summary:** neuronal receptor and ion channel activated by acetylcholine; mediates release of catecholamines into bloodstream [RGD, Feb 2006]

**Product images:**



Circular map for RR210754