

Product datasheet for **RR210212**

Chrna3 (NM_052805) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna3 (NM_052805) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrna3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR210212 representing NM_052805
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTGTGTGCTGCTCCCGCCCGCTGTCATGCTGATGCTGGTGTGATGCTGCTGCCAGCGGCCA
 GTGCTCAGAAGCTGAGCACCGCTGTTCCAGTACCTGTTCAAGATTACAACGAGATCATCCGGCCAGT
 GGTAATGTGTCCATCCAGTCATCATCCAGTTTGAGGTGTCCATGTCTCAGCTGGTGAAGTGGATGAA
 GTAACCAGATCATGAAACCAACTGTGGCTGAAGCAAATCTGGAATGACTACAAGCTGAAATGGAAAC
 CCTCTGACTACCAAGGGTGGAGTTCATGCGTGTCTGCAGAGAAGATCTGAAACAGACATCGTACT
 GTACAACAACGCTGATGGGGATTCCAGGTGGATGACAAGACCAAAGCTCTACTCAAGTACACAGGAGAA
 GTGACTTGGATCCCGCCGCCATCTTTAAGAGCTCATGCAAAATCGACGTGACCTACTTCCCATTGACT
 ACCAAAATGCACCATGAAGTTCGGCTCCTGGTCTACGACAAGGCAAAGATCGACCTGGTCTCATCGG
 CTCTCCATGAACCTCAAGGACTACTGGGAGAGTGGCGAGTGGGCTATCATTAAAGCCCCGGGCTACAAA
 CATGAAATCAAGTACAACCTGCTGTGAGGAGATCTACCAAGACATCACGTACTCGTGTACATCCGTCGCC
 TGCCGCTGTTCTACACCATCAACCTCATCATCCCTGCCTGCTCATCTCCTTCTCACTGTGCTTGTCTT
 CTACCTGCCCTCCGACTGTGGGAGAAGGTGACACTCTGCATCTCTGTGCTCCTCTCCCTGACTGTCTTT
 CTCTGGTGATACCGAGACCATTCCTTCCACCTCGTGGTCAATCCCTGATTGGGGAGTACCTCCTCT
 TCACTATGATTTTTGTCACCTTGTCCATTGTATCACAGTCTTTGTGCTCAATGTGCACTATAGAATCC
 AACACACACACCATGCCACTTGGGTCAAGCCGTGTTCTTGAACCTGCTCCCCAGGGTCAATGTTTATG
 ACTAGGCCGACCAAGTGGTGAAGGGGACACTCCTAAGACGAGGACCTTCTACGGCGCTGAGCTCTCAAAC
 TGAAGTCTTCAAGCGTGCAGACTCCAAAAGTCAAGGAAGGCTACCCCTGCCAAGATGGGACCTGTGG
 CTACTGCCACCACCGTAGGGTAAAAATCTCAAATTTTCAAGTCCAACTCACAAGAAGCTCCAGTTCTGAG
 TCTGTGACGCTGTGTTGTCCTCTCTGCCCTGTCAACGAAATCAAAGAAGCCATCAAAGTGTGAAGT
 ACATTGCCGAAAACATGAAAGCACAGAATGTAGCCAAAGAGATTCAAGATGATTGGAAGTACGTTGCCAT
 GGTGATTGATCGCATCTTCTCTGGTTTTTCTCTGGTGTGATTTTAGGAACGGCGGATTATTTCTG
 CAACCCTTGATGGCCAGAGATGACACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210212 representing NM_052805
 Red=Cloning site Green=Tags(s)

MGVLLPPPLSMLMLVLMMLPAASASEAEHRLFQYLFEDYNEIIRPVANVSHPVIIQFEVSMSQLVKVDE
 VNQIMETNLWLKQIWNDYKWKWPSDYQGVFMRVPAEKIWKPDIVLYNNADGDFQVDDTKALLKYTGE
 VTWIPPAIFKSSCKIDVTYFPFDYQNTMKFGSWSYDKAKIDLVLIGSSMNLKDYWESGEWAIKAPGYK
 HEIKYNCCEEIYQDITYSLYIRRLPLFYINLIIPCLLISFLTVLVFYLPSDCGEKVTLCISVLLSLTVF
 LLVITETIPSTSLVIPLIGEYLLFTMIFVTLISIVITVFLNVHYRPTTHTMPTWVKAVFLNLLPRVMFM
 TRPTSGEGDTPKTRTFYGAELSNLNCFSRADSKSCKEYPCQDGTGCGYCHRRVKISNFSANLTRSSSSE
 SVDAVLSLSALSPEIKEAIQSVKYIAENMKAQNVAKEIQDDWKYVAMVIDRIFLWVVFILVCILGTAGLFL
 QPLMARDDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

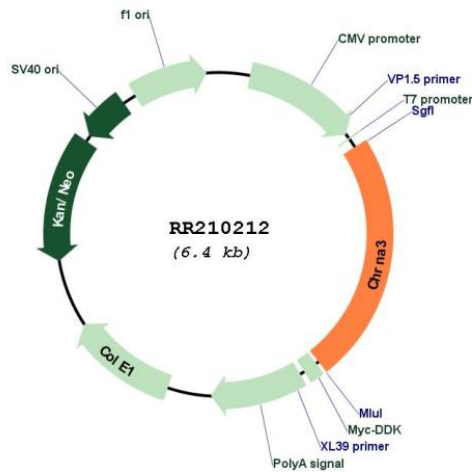
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_052805

ORF Size: 1497 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_052805.2](#), [NP_434692.2](#)

RefSeq Size: 1500 bp

RefSeq ORF: 1500 bp

Locus ID: 25101

Cytogenetics: 8q24

MW: 57 kDa

Gene Summary: subunit of nicotinic acetylcholine receptor that is specific to the brain and peripheral nervous system [RGD, Feb 2006]