

Product datasheet for **RR208984**

Chrna6 (NM_057184) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna6 (NM_057184) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrna6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR208984 representing NM_057184
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGAACGGCTGGGGTCGGGAGACCTTCGCTCCGGTTTGTGTCTGTGGATATGTGGATTCTTGGCTT
 TCTTTAAAGGCAGTAGAGGCTGTGTCTGAAGAACAGCTCTTCCACACGCTCTTCGCCACTACAACCG
 CTTTCATCCGGCCAGTGGAAAACGTTTCTGATCCCGTCACGGTGCACCTTTGAGTTGCCATCACGCAGCTG
 GCCAATGTGGATGAAGTCAACCAGATTATGGAGACCAATCTGTGGCTGCGTCACGTCTGGAAGGACTACA
 GATTGTGTTGGGATCCAACGGAGTACGATGGCATCGAGACGCTTCGTGTTCCAGCAGATAACATCTGGAA
 GCCTGACATCGTCTGTATAATAATGCCGTCGGTACTCCAGGTCGAAGGCAAGACCAAAGCTCTTCTT
 AAGTACGATGGGGTATAACCTGGACCCCGCCAGCCATCTTAAGAGTTCCTGTCCAATGGACATCACCT
 TCTTCCATTTGATCATAAAACGCTCCCTGAAATTTGGGTCTGGACTTACGACAAGGCTGAAATCGA
 CCTTCTCATCATTGGCTCTAAAGTGGACATGAACGACTTTTGGGAAAACAGTGAGTGGGAAATTGTCGAT
 GCCTCTGGCTACAAGCATGACATCAAGTACAACGCTGTGAAGAGATTTACACAGATATCACCTACTCCT
 TCTACATCAGGAGGCTGCCCATGTTTTATACCATCAATCTCATATCCCCTGCCTCTTCATTTCTTTCT
 CACCGTGTAGTCTTTTACCTTCTTCTGACTGTGGCGAGAAAGTACTCTTTCATCTCGGTTCTGCTT
 TCTCTGACTGTCTTTTGTGGTGATTACAGAGACCATCCCATCCACATCTCTCGTGATCCCACTAGTGG
 GTGAGTATCTACTGTTACCATGATCTTTGTACGCTGTCCATTGTGGTGACCGTGTGTTGTGTTGAACAT
 AACTACAGGACCCAGCAACGCATACCATGCCAAGTGGGTGAAGACCATGTTCTTTCAGGCTTCCCC
 TCGATTCTGATGATGAGGAGACCTCTGGACAAGACAAAGGAAATGGATGGTGTAAAGACCCCAAAACCC
 ACACCAAGAGCCGCGCCAAAGTCAAGTTTACTCATCGAAAAGAACCCTTCTAAAGGAATGCCGCCA
 CTGCCATAAGTCAAGTGAGATAGCACCTGGCAAGAGGTTAAGCCAGCAGCCTGCACAGTGGGTAACAGAG
 AATTACAGACACCCACCTGATGTTGAAGACGTGATCGATAGTGTCAATTCATAGCAGAAAAACATGAAAA
 GCCACAATGAAACAAAGGAGGTAGAAGATGACTGGAAATACATGGCCATGGTGGTGGACAGAGTCTTCT
 CTGGGTGTTTATAATCGTCTGTGTGTTTGAAGTGTGGGGCTCTTCTACAGCCACTGCTTGGGAACACA
 GGAGCATCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208984 representing NM_057184
 Red=Cloning site Green=Tags(s)

MLNGWGRGDLRSGLCLWICGFLAFFKGSRCVSEEQLFHTLFAHYNRFIRPVENVSDPVTVHFELAITQL
 ANVDEVNQIMETNLWRHVWKDYRLCWDPTDYDGIETLRVPADNIWKPDIIVLYNNAVGFQVEGKTKALL
 KYDGVITWTPPAIFKSSCPMDITFFPFHQNSLKFSGSWTYDKAEIDLLIIGSKVDMNDFWENSEWEIVD
 ASGYKHKDIKYNCCCEIYTDITYSFYIRRLPMFYINLIIPCLFISFLTVLVFYLPSDCGEKVTLCISVLL
 SLTVFLLVITETIPSTSLVIPLVGEYLLFTMIFVTLIVVTVFVNLNIHYRTPATHMPKWVKTMLQVFP
 SILMMRRPLDKTKEMDGVKDPKTHTRPAKVKFTHRKEPKLLKECRHCHKSSSEIAPGKRLSQPAQWVTE
 NSEHPPDVEDVIDSVQFIAENMKSHNETKEVEDDWKYMAMVVDVFLWVFIIVCVFVTVGLFLQPLLGN
 GAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

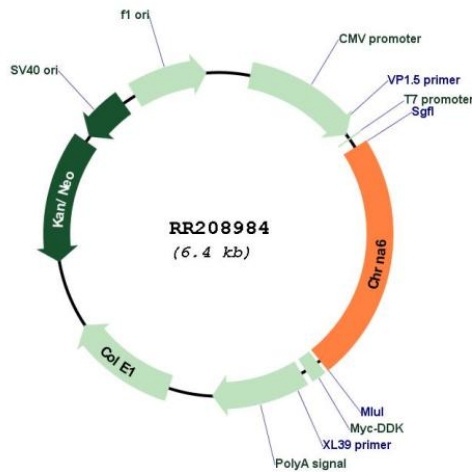
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_057184

ORF Size: 1479 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_057184.1](#), [NP_476532.1](#)

RefSeq Size: 1760 bp

RefSeq ORF: 1482 bp

Locus ID: 81721

UniProt ID: [P43143](#)

Cytogenetics: 16q12.3

MW: 56.9 kDa

Gene Summary: may form a nicotinic acetylcholine receptor; may play a role in fast synaptic transmission [RGD, Feb 2006]