

## Product datasheet for **RN210212**

### **Chrna3 (NM\_052805) Rat Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >RN210212 representing NM\_052805  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGTGTGTGCTGCTCCCGCCCGCTGTCATGCTGATGCTGGTGTGATGCTGCTGCCAGCGGCCA  
 GTGCCTCAGAAGCTGAGCACCGCTGTTCCAGTACCTGTTTGAAGATTACAACGAGATCATCCGGCCAGT  
 GGTAATGTGTCCATCCAGTCACTCATCCAGTTTGAGGTGTCCATGTCTCAGCTGGTGAAGTGGATGAA  
 GTAACCAGATCATGAAACCAACCTGTGGCTGAAGCAAATCTGGAATGACTACAAGCTGAAATGGAAAC  
 CCTCTGACTACCAAGGGTGGAGTTCATGCGTGTCTCAGAGAGAAGATCTGAAACAGACATCGTACT  
 GTACAACAACGCTGATGGGGATTCCAGGTGGATGACAAGACCAAAGCTCTACTCAAGTACACAGGAGAA  
 GTGACTTGGATCCCGCCGCCATCTTTAAGAGCTCATGCAAAATCGACGTGACCTACTTCCCATTGACT  
 ACCAAAACGACCATGAAGTTCGGCTCCTGGTCTACGACAAGGCAAAGATCGACCTGGTCTCATCGG  
 CTCTCCATGAACCTCAAGGACTACTGGGAGAGTGGCGAGTGGGCTATCATTAAAGCCCCGGGCTACAAA  
 CATGAAATCAAGTACAACCTGCTGTGAGGAGATCTACCAAGACATCACGTACTCGTGTACATCCGTCGCC  
 TGCCGCTGTTCTACACCATCAACCTCATCATCCCTGCCTGCTCATCTCCTTCTCACTGTGCTTGTCTT  
 CTACCTGCCCTCCGACTGTGGGAGAAGGTGACACTCTGCATCTCTGTGCTCCTCTCCCTGACTGTCTTT  
 CTCTGGTGTACCCGAGACCATTCCTTCCACCTCGTGGTCAATCCCTGATTGGGGAGTACCTCCTCT  
 TCACTATGATTTTTGTCACCTTGTCCATTGTATCACAGTCTTTGTGCTCAATGTGCACTATAGAAGTCC  
 AACCACACACCATGCCACTTGGGTCAAGGCCGTGTTCTTGAACCTGCTCCCCAGGGTCAATGTTTATG  
 ACTAGGCCGACCATGGTGGTGGGGGACACTCCTAAGACGAGGACCTTCTACGGCGTGAGCTCTCAAACC  
 TGAATGCTTTCAGCCGTGCAGACTCCAAAAGCTGCAAGGAAGGCTACCCCTGCCAAGATGGGACCTGCG  
 CTACTGCCACCACCGTAGGGTAAAAATCTCAAATTTTCAGTGCCAACCTCACAAGAAGCTCCAGTTCTGAG  
 TCTGTGACGCTGTGTTGTCCTCTCTGCCCTGTCAACGAAATCAAAGAAGCCATCCAAAGTGTGAAGT  
 ACATTGCCGAAAACATGAAAGCACAGAATGTAGCCAAAGAGATTCAAGATGATTGGAAGTACGTTGCCAT  
 GGTGATTGATCGCATCTTCTCTGGGTTTTTCATCTGGTGTGCATTTTAGGAACGGCGGGATTATTTCTG  
 CAACCCTTGATGGCCAGAGATGACACA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_052805

**Insert Size:** 1500 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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

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