

Product datasheet for **RN205554**

Chrna1 (NM_024485) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna1 (NM_024485) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chrna1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205554 representing NM_024485
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAGCTCACCGCTGCTCCTCTGCTGCTGGCCCTCTGCTCCGCTGGCACTGTTCTGGGCTCCGAACATG
 AGACTCGTCTGGTGGCAAAGCTCTTTAAAGACTACAGCAGTGTGGTCCGGCCAGTAGGGGACCACCGTGA
 GATTGTACAGGTCACTGTGGGACTGCAACTGATCCAGCTTATCAACGTGGATGAAGTAAATCAGATTGTG
 ACAACCAACGTTCTGCTGAAACAGCAATGGGTTGATTACAACCTGAAATGGAATCCAGATGACTATGGAG
 GAGTGAAAAAATTCACATCCCCCTCGAAAAGATCTGGCGGCCGGACGTTGTTCTCTATAACAATGCAGA
 TGGAGACTTTGCCATTGTCAAATTCACCAAGGTGCTCCTGGACTACACCGGTACATCACCTGGACCCCT
 CCAGCCATCTTTAAAGCTACTGTGAGATCATTGTCACCCACTTTCCTTCGATGAGCAGAACTGCAGCA
 TGAAGCTGGGCACTTGGACCTATGACGGCTCTGTGGTGGCCATCAATCCGAAAGTGACCAGCCCGACCT
 GAGTAACCTCATGGAGAGCGGAGAGTGGGTGATCAAGGAAGCCCGGGCTGGAAGCACTGGGTGTTTAC
 TCCTGCTGCCCAACACCCCTTATCTGGACATCACCTACCACTTCGTATGCAGCGTCTGCCTCTCTACT
 TCATTGTCAACGTCATCATTCCCTGCCTGCTCTTCTCCTCTTAACCACTGCTGGTGTCTACCTGCCAC
 AGACTCAGGGGAGAAGATGACGCTGAGCATCTCTGTCTTACTGTCCCTGACTGTGTTCTCTCTGTCATT
 GTGGAGCTGATCCCTTCCACCTTAGCGCTGTACCCCTGATCGGGAAGTACATGTTGTTTACCATGGTCT
 TTGTCAATTGCGTCCATAAATCACCGTCATTGTCATCAACACACACCACCGTTCGCCCAGCACCCACAT
 CATGCCCGAGTGGGTGCGGAAGGTTTTATCGACACTATCCAAACATCATGTTTTTCTCCACAATGAAA
 AGACCATCCAGAGATAACAAGAAAAAGGATTTTACAGAAGACATAGATATCTCTGACATCTCTGGGA
 AGCCGGGGCCTCCACCTATGGGCTTTTATTCTCCACTGATCAAGCACCTGAGGTGAAAAGCGCCATTGA
 GGGTGTGAAGTACATTGCAGAGACCATGAAGTCAGACCAGGAGTCTAACAATGCGTCTGAGGAGTGAAG
 TATGTCGCCATGGTATGGACCATCCTCCTCGGAGTCTTTATGCTGGTGTGTCTCATCGGGACGCTGG
 CTGTGTTTGCAGGTCGGCTCATTGAGCTACATCAACAAGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_024485

Insert Size: 1374 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_024485.1</u> , <u>NP_077811.1</u>
RefSeq Size:	1849 bp
RefSeq ORF:	1374 bp
Locus ID:	79557
UniProt ID:	<u>P25108</u>
Cytogenetics:	3q23
Gene Summary:	alpha subunit of the AChR gamma and AChR epsilon acetylcholine receptor subtypes [RGD, Feb 2006]