

Product datasheet for **RN211661**

Chrna4 (NM_024354) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna4 (NM_024354) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chrna4
Synonyms:	NARAC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211661 representing NM_024354
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAATTCGGCCCCGGGGCCGCCCGCTGCTGCTACTGCCGCTGCTGCTCCTAGGGACCG
 GCCTTTGCCTGCTAGCAGCCACATAGAGACCCGGGCCATGCGGAGGAGCGGCTCCTGAAGAGACTCTT
 CTCGGTTACAACAAGTGGTCTCGGCCAGTAGGCAATATCTCAGATGTGGTCTCGTCCGCTTTGGCTTG
 TCCATTGCTCAGCTCATTGACGTGGACGAGAAGAACCAGATGATGACAACCAACGTGTGGGTGAAGCAGG
 AGTGGCAGACTACAAGCTGCGCTGGGACCCTGGTACTACGAGAATGTACCTCCATCCGCATCCCCTC
 TGAACATCATCTGGAGGCTGACATCGTCTCTACAACAATGCGGATGGAGACTTTGCAGTCACCCACCTG
 ACCAAGGCCACCTGTTCTATGACGGAAGGGTGCAGTGGACACCCCGCCATCTATAAGAGCTCCTGCA
 GCATCGAGCTCACCTTCTCCCTTTGACCAGCAGAAGTACCATGAAGTTGGATCCTGGACCTACGA
 CAAGGCCAAGATTGACTTAGTGAGCATTATAGCCGTGTGGACCAACTGGACTTCTGGGAAAGTGGGGAG
 TGGGTATCGTGGATGCTGTGGGACCTACAACACCAGGAAGTACGAGTGTGTCCGAGATCTATCCTG
 ACATCACCTATGCCTTATCATCCGACGCTGCCGCTATTCTACACCATCAACCTCATATCCCGTGCT
 GCTCATCTCCTGTCTACCGTGCTGGTCTTCTATCTGCCTTCAGAGTGTGGCGAGAAGGTACACTGTGC
 ATCTCGGTGCTGCTTCTCTACCGTCTTCTGCTGCTCATCACCGAGATCATCCCGTCCACCTCGCTGG
 TCATCCGCTCATCGGCGAGTACCTCCTCTTACCATGATCTTCGTCACCTCTCCATCGTCATCACGGT
 CTTGCTGCTCAATGTGCCACCACCGCTCGCCACGCACACACAGATGCCCGCTGGGTGCGTAGAGTCTT
 CTGGACATCGTGCCTCGCTCCTCTTATGAAGCGCCCTCTGTGGTCAAAGACAACCTGCCGGAGACTTA
 TTGAGTCCATGCACAAGATGGCCAACGCCCCCGCTTCTGGCCAGAGCCTGTGGGCGAGCCCGGCATCTT
 GAGTGACATCTGCAACCAAGGTCTGTACCTGCCCAACTTTCTGCAACCCACGGACACAGCAGTCCGAG
 ACCCAGCTACGTGCAGGTACCCCCCTTGAGGTCCCTGACTTGAAGACATCAGAGTTGAGAAGGCCA
 GTCCTGTCCATCGCTGGCTCCTGTCTCCACCAAGAGCAGCAGTGGGGCTCCAATGCTCATCAAAGC
 CAGGTCCCTGAGTGTCCAGCATGTGCCAGCTCCAAGAAGCAGCAGAAGATGGCATCCGCTGCCGCTCT
 CGGAGTATCCAGTACTGTGTTCCCAAGATGGAGTGCCTCCCTGGCTGACAGCAAGCCACCAGCTCCC
 CGACCTCCCTGAAGGCCCGTCCATCCAGCTTCCCGTGTGACAGCAGGCTCTCCATGCAATGCACATG
 CAAGGAACCATCTCCTGTGTCCCAGTCACTGTGCTCAAGGCGGGAGGCCACCAAGCACCTCCCCAACAC
 CTGCCCTGTACCAGCCCTGACACGGGAGTAGAAGGCGTCCAGTACATTGCAGACCACCTCAAGCGAG
 AAGACACTGACTTCTCGGTGAAGGAGGACTGAAATACGTGGCCATGGTATTGACCGAATCTTCTCTG
 GATGTTATCATTGTCTGCCTTCTGGGCACTGTGGGACTTCTCTGCCTCCCTGGCTGGTATGATC
 TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1692_d02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_024354

Insert Size: 1893 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_024354.1](#), [NP_077330.1](#)

RefSeq Size: 2149 bp

RefSeq ORF: 1893 bp

Locus ID: 25590

UniProt ID: [P09483](#)

Cytogenetics: 3q43

Gene Summary: nicotinic acetylcholine receptor subunit responsible for binding calcium sensor protein visinin-like protein-1 (Vilip1), which modulates acetylcholine receptor expression and sensitivity [RGD, Feb 2006]