

Product datasheet for **RR211661**

Chrna4 (NM_024354) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR211661 representing NM_024354
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAATTCGGCCCCGGGGCCGCCGCCGCTGCTGCTACTGCCGCTGCTGCTCCTAGGGACCG
 GCCTCTTGCTGCTAGCAGCCACATAGAGACCCGGGCCATGCGGAGGAGCGGCTCTGAAGAGACTCTT
 CTCGGTTACAACAAGTGGTCTCGGCCAGTAGGCAATATCTCAGATGTGGTCTCGTCCGCTTTGGCTTG
 TCCATTGCTCAGCTCATTGACGTGGACGAGAAGAACCAGATGATGACAACCAACGTGTGGGTGAAGCAGG
 AGTGGCAGACTACAAGCTGCGCTGGGACCCTGGTACTACGAGAATGTACCTCCATCCGCATCCCCTC
 TGAACTCATCTGGAGGCTGACATCGTCTCTACAACAATGCGGATGGAGACTTTGCAGTCACCCACCTG
 ACCAAGGCCACCTGTTCTATGACGGAAGGGTGCAGTGGACACCCCGCCATCTATAAGAGCTCCTGCA
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 ACATCACCTATGCCTTATCATCCGACGCTGCCGCTATTCTACACCATCAACCTCATATCCCGTGCT
 GCTCATCTCCTGTCTACCGTGTGGTCTTCTATCTGCCTTACAGAGTGTGGCGAGAAGGTCACACTGTGC
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 CAAGGAACCATCTCCTGTGTCCCAGTCACTGTGCTCAAGGCGGGAGGCCACCAAGCACCTCCCCAAC
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 GATGTTATCATTGTCTGCTTCTGGGCACTGTGGGACTTCTCTGCTCCCTGGCTGGTGGTATGAT

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Protein Sequence:

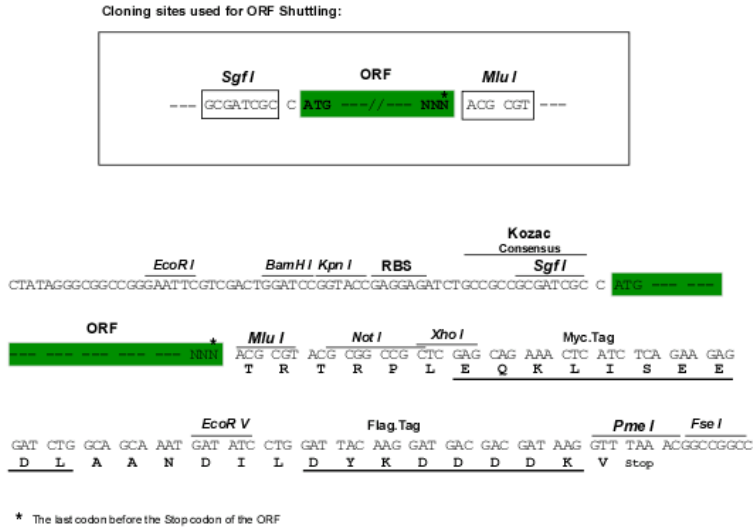
>RR211661 representing NM_024354
 Red=Cloning site Green=Tags(s)

MANSRPGAPPPLLLLPLLLLGTGLLPASSHIETRAHAERLLKRLFSGYNKWSRPVGNISDVVLVRFGL
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 TKAHLFYDGRVQWTPPAIYKSSCSIDVTFPFDDQNCTMKFGSWTYDKAKIDLVSIIHSRVDQLDFWESGE
 WVIVDAVGTYNTRYECCAIEYDPDIYAFIIRRLPLFYINLIIPCLLISCLTVLVFYLPECEKVTLC
 ISVLLSLTVFLLLITEIIPSTSLVIPLIGEYLLFTMIFVTLISIVITVFLNVHHRSPRTHMPAWVRRVF
 LDIVPRLLFMKRPSVVKDNCRRLLIESMHKMANAPRFWPEPVGEPGILSDICNQGLSPAPTFCNPTDTAVE
 TQPTCRSPPLEVPDLKTSEVEKASPCSPGSCPPPKSSSGAPMLIKARLSVQHVPSQEAEDGIRCRS
 RSIQYCVSQDGAASLADSKPTSSPTSLKARPSQLPVSDQASPCKCTCKEPSVPVPTVLKAGGKAPPQH
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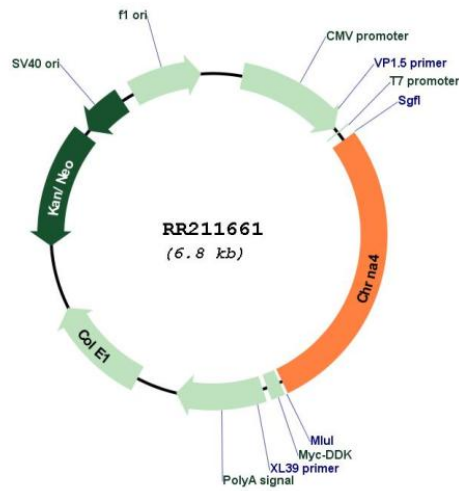
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_024354

ORF Size: 1890 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:	<ol style="list-style-type: none"> 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
MW:	70.2 kDa
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]