

## Product datasheet for **RR205554**

### Chrna1 (NM\_024485) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Chrna1 (NM\_024485) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Chrna1  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR205554 representing NM\_024485  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGCTCACCGCTGTCCTCTGCTGCTGGGCTCTGCTCCGCTGGCACTGTTCTGGGCTCCGAACATG  
 AGACTCGTCTGGTGGCAAAGCTCTTTAAAGACTACAGCAGTGTGGTCCGGCCAGTAGGGACCACCGTGA  
 GATTGTACAGGTCAGTGTGGACTGCAACTGATCCAGCTTATCAACGTGGATGAAGTAAATCAGATTGTG  
 ACAACCAACGTTTCGTCTGAAACAGCAATGGGTTGATTACAACCTGAAATGGAATCCAGATGACTATGGAG  
 GAGTGAATAAATTCACATCCCCCTCGGAAAGATCTGGCGGCCGACGTTGTTCTCTATAAACAATGCAGA  
 TGGAGACTTTGCCATTGTCAAATTCACCAAGGTGCTCCTGGACTACACCGGTACATCACCTGGACCCCT  
 CCAGCCATCTTTAAAGCTACTGTGAGATCATTGTCAACCACTTCCCTTCGATGAGCAGAACTGCAGCA  
 TGAAGCTGGGCACCTGGACCTATGACGGCTCTGTGGTGGCCATCAATCCGAAAGTGACCAGCCGACCT  
 GAGTAACCTCATGGAGAGCGGAGAGTGGGTGATCAAGGAAGCCCGGGCTGGAAGCACTGGGTGTTTTAC  
 TCCTGCTGCCCCAACCCCTTATCTGGACATCACCTACCACTTCGTCATGCAGCGTCTGCCTCTCTACT  
 TCATTGTCAACGTCATCATTCCCTGCCTGCTCTTCTCCTTCTTAACCAGTCTGGTGTCTACCTGCCAC  
 AGACTCAGGGGAGAAGATGACGCTGAGCATCTCTGCTTACTGTCCCTGACTGTGTTCTCTCTGTCATT  
 GTGGAGCTGATCCCTCCACCTTAGCGCTGTACCCCTGATCGGGAAGTACATGTTGTTTACCATGGTCT  
 TTGTCAATTGCGTCCATAATAATCACCGTCATTGTCAACACACACCACCGTTCGCCCAGCACCCACAT  
 CATGCCGAGTGGGTGCGGAAGGTTTTATCGACACTATCCCAAACATCATGTTTTTCTCCACAATGAAA  
 AGACCATCCAGAGATAACAAGAAAAAAGGATTTTACAGAAAGACATAGATATCTCTGACATCTCTGGGA  
 AGCCGGGGCCTCCACCTATGGGCTTTTATTCTCCACTGATCAAGCACCCCTGAGGTGAAAAGCGCCATTGA  
 GGGTGTGAAGTACATTGCAGAGACCATGAAGTCAAGCAGGAGTCAACAATGCGTCTGAGGAGTGAAG  
 TATGTCCGCATGGTATGGACCACATCCTCCTCGGAGTCTTATGCTGGTGTGTCTATCGGGACGCTGG  
 CTGTGTTTGCAGGTCGGCTCATTGAGCTACATCAACAAGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >RR205554 representing NM\_024485  
 Red=Cloning site Green=Tags(s)

MELTAVLLLLGLCSAGTVLGSEHETRLVAKLFDYSSVVRPVGDHREIVQVTVGLQLIQLINVDEVNQIV  
 TTNVRLKQQWVDYNLKNPDDYGGVKKIHIPSEKIWRPDVVLNNADGDFAIKFKVLLDYTGHTWTP  
 PAIFKSYCEIIVTHFPFDEQNCMKLGTWYDGSVVAINPESDQPDLSNFMESGEWVIKEARGWKHWVY  
 SCCPNTPYLDITYHFVMQRLPLYFIVNVIIPCLLFSFLTSLVFYLPDTSGEKMTLSISVLLSLTVFLLVI  
 VELIPSTSSAVPLIGKYMLFTMVFIASIIITVIVINTHHRSPSTHIMPEWVRKVFIDTIPNIMFFSTMK  
 RPSRDKQEKRIFTEDIDISDISGKPGPPMGFHSPLIKHPEVKS AIEGVKYIAETMKSDQESNNASEEWK  
 YVAMVMDHILLGVFMLVCLIGTLAVFAGRLIELHQQG

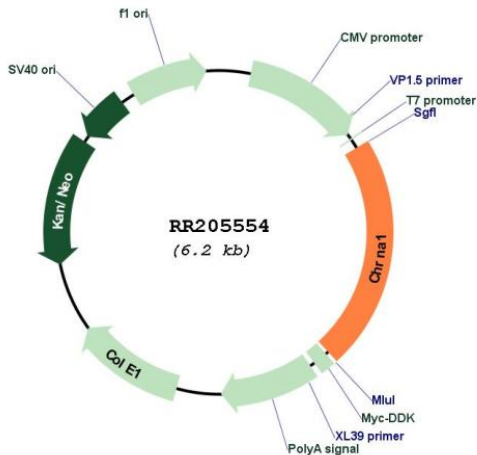
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_024485
<b>ORF Size:</b>	1371 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_024485.1</a> , <a href="#">NP_077811.1</a>
<b>RefSeq Size:</b>	1849 bp
<b>RefSeq ORF:</b>	1374 bp
<b>Locus ID:</b>	79557
<b>UniProt ID:</b>	<a href="#">P25108</a>
<b>Cytogenetics:</b>	3q23
<b>MW:</b>	51.9 kDa
<b>Gene Summary:</b>	alpha subunit of the AChR gamma and AChR epsilon acetylcholine receptor subtypes [RGD, Feb 2006]