

Product datasheet for **RN202228**

Chrna9 (NM_022930) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna9 (NM_022930) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chrna9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202228 representing NM_022930
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCGGCCCATTCCTGCCTCTCTTTTGGCTGGATGTATTTTGTGCTTCTGGAATCAGAGCCGTAG
 AGACAGCAAATGGGAAATATGCTCAGAAATTGTTTCAGCGATCTTTTTGAAGACTACTCCAGTGCTCTGCG
 TCCAGTCGAGGATACGGACGCGGTGCTGAATGTTACACTGCAGGTCACGCTCTCCAGATAAAGGACATG
 GACGAGAGAAACCAGATTCTGACAGCCTATCTATGGATCCGCCAAACCTGGCACGATGCGTACCTCACGT
 GGGATCGAGACCAGTATGATAGGCTGGACTCCATCAGGATTCCCAGCGATCTGGTGTGGAGGCCGGACAT
 TGTCTATAACAACAGGCTGACGATGAGTCTTCAGAGCCTGTGAACACCAATGTGGTGTGCGATATGAT
 GGGCTCATCACCTGGGACTACCGGCCATACCAAAAAGCTCCTGTGTGGTGGATGCACCTACTTCCCTT
 TTGACAGCCAGCAGTGCAACCTGACCTTTGGCTCCTGGACCTACAATGGAACCAGGTGGACATATTCAA
 TGCCCTGGACAGCGGTGACCTCTCTGACTTCATTGAAGATGTGGAATGGGAGGTCCATGGCATGCCTGCT
 GTAAGAACGTCATCTCCTATGGCTGCTGCTCCGAGCCTTACCCAGATGTCACCTTCACTCTCCTTCTGA
 AGAGGAGGTCCTCCTTCTACATCGTCAACCTCCTCATCCCTTGCCTCCTCATATCGTTTCTCGCTCCGTT
 GAGTTTCTATCTCCAGCAGCCTCTGGGGAGAAGGTCTCTCTGGGAGTGACCATCCTATTGGCCATGACT
 GTGTTTACGTAATGGTGGCAGAGATCATGCCAGCCTCAGAAAATGTCCCTCTGATAGGAAAATACTACA
 TAGCTACCATGGCCTTGATCACTGCCTCCACAGCCCTTACCATCATGGTATGAATTTCACTTCTGTGG
 AGCTGAGGCACGGCCAGTGCCACACTGGGCCAAGGTGGTATCCTGAAGTACATGTCCAGGATCTTGTTT
 GTCTACGATGTGGGTGAGAGCTGCCTTAGTCCCCGCCACAGCCAGGAGCCAGAACCAAGTCACGAAGGTTT
 ATAGCAAACTCCAGAAATCCAACCTGAAAACGTCCAGAAAACAAAGACCTTCCAGAAAAGAAGGAAGTAAG
 AAAACTCTTAAAGAATGACCTGGGTACCAGGGTGGGATCCCCCAGAATACTGACAGTTATTGTGCACGC
 TATGAAGCACTGGCGAAAATATCGAATACATTGCCAAGTGCCTCAAGGACCACAAGGCCACCAACTCCA
 AGGGCAGCGAGTGAAGAAGGTCGCCAAAGTCATAGACCGTTTCTTCATGTGGATTTTCTTTGCTATGGT
 GTTTGTCATGACCGTCTTGATCATAGCAAGAGCAGATTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3374_e02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_022930

Insert Size: 1440 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<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:	<u>NM_022930.1</u> , <u>NP_075219.1</u>
RefSeq Size:	1937 bp
RefSeq ORF:	1440 bp
Locus ID:	65024
UniProt ID:	<u>P43144</u>
Cytogenetics:	14p11
Gene Summary:	forms an acetylcholine activated homomeric receptor-channel complex; may modulate encoding of auditory stimuli in cochlear hair cells [RGD, Feb 2006]