

Product datasheet for **RN205353**

Chrna10 (NM_022639) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna10 (NM_022639) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chrna10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205353 representing NM_022639
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGACAAGGAGCCACTACCTGGACCTGGGGTTTCTGCTGCTGCTGTTTCTCCCTGCAGAGTGCCTGG
 GAGCTGAGGGGAGACTGGCTCACAAGCTGTTTCGTGACCTGTTTGCCAACATACAAGTGCCTCTGAGACC
 AGTGCCAGATACAGACCAGACTCTAAATGTGACCTGGAGGTGACATTGTCTCAGATCATTGATATGGAT
 GAACGGAACCAGGTGCTGACCTTGTACCTGTGGATCCGGCAAGAGTGGACAGATGCCTACCTACACTGGG
 ACCCCAAAGCCTATGGTACCTGGACGCAATCCGAATCCAGCCGTCTAGTGTGGCGACCAGACATCGT
 ACTTTACAACAAGGCGGACACGCAGCCACCTGCCTCAGCCAGCACCAACGTGGTTGTGGCGCACGACGGC
 GCTGTGCGCTGGACGCACCGGCCATCACACGCAGCTCGTGCCGTGTGGACGTGTCTGCCTTCCCTTTTG
 ACGCGCAGCGCTCGGCCCTGACCTTCGGCTCATGGACGCAGGTGGCCACCAGCTGGATGTGCGACCTCG
 GGGCACTCCGCCAGTCTGGCCGACTTCGTGGAGAACGTTGAATGGCGGGTGTGGGCATGCCAGCACGC
 AGGCGGGTCTCACCTATGGCTGCTGCTGAGCCCTACCCAGATGTGACCTTTACTCTGTTGTGCGCC
 GCCCGCTGCAGCCTACGTGTGCAACCTCCTGCTGCCCTGTGTTCATCTCCCTGCTGGCGCCTCTGGC
 CTTCCACCTGCCTGCTGACTCTGGGGAGAAGGTGTCTCTGGCGTCACCGTGTCTCTGGCGCTCACCGTC
 TTCCAGCTGATCCTGGCCGAGAGCATGCCACCTGCAGAGAGTGTGCCACTCATCGAAAGTACTATATGG
 CCACTATGACCATGGTCACATTTCCACAGCACTTACCATCCTCATCATGAATCTGCACTACTGTGGCCC
 TAATGCACATCCAGTGCCCGCTGGGCTCGGGTCTCTCTGCTGGGACACCTAGCCAAAGGCTGTGTGTG
 CGGGAACGAGGGGAGCCCTGTGGCAGTCCAAGCCACTAGAGTCAGCCCCAGCCTCCAGCCTCCACCAG
 CTTCCCCAGCGGGCCCTTGTATGAGCCACGGTGTCTATGCCACCAGGAAGCCCTTACATCATATAGC
 TTCATTGCTAGTACCTTCCGCAGCCACCGGGCTGCCAGCGCCGCCACGAAGATTGGAAGCGTCTGGCT
 AGAGTAATGGACCCTTTTTCTAGGCATCTTCTCTGTCATGGCTCTGGTCATGAGCCTCATTGTACTGG
 TGCAAGCCCTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3331_a11.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_022639

Insert Size: 1344 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:

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_022639.1](#), [NP_072161.1](#)

RefSeq Size: 2172 bp

RefSeq ORF: 1344 bp

Locus ID: 64574

UniProt ID: [Q9JLB5](#)

Cytogenetics: 1q32

Gene Summary: alpha10 subunit of the nicotinic acetylcholine receptor (nAChR); may heterodimerize with alpha9 subunit [RGD, Feb 2006]