

Product datasheet for **MR223037**

Chrna1 (NM_007389) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna1 (NM_007389) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrna1
Synonyms:	A; Achr; Achr-1; Acra; AI385656; AI608266
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223037 representing NM_007389
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

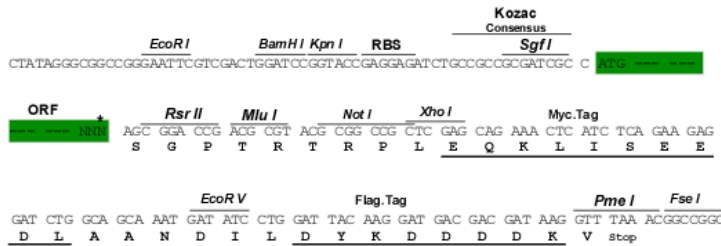
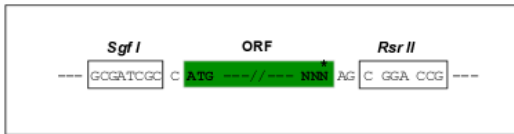
ATGGAGCTCTCGACTGTTCTCCTGCTGCTAGGCCCTCTGCTCCGCTGGCCTTGTCTGGGCTCCGAACATG
 AGACGCGTCTGGTGGCAAAGCTCTTTGAAGACTACAGCAGTGTAGTCCGCCAGTGGAGGACCACCGTGA
 GATTGTACAAGTACCCTGGGTCTACAGCTGATCCAGCTTATCAATGTGGATGAAGTAAATCAGATTGTG
 ACAACCAATGTACGTCTGAAACAGCAATGGGTCGATTACAACCTGAAATGGAATCCAGATGACTATGGAG
 GAGTGAATAAATTCACATCCCCTCGGAAAAGATCTGGCGGCCGGACGTCGTTCTCTATAAACGCAGA
 CGGCGACTTTGCCATTGTCAAATTCACCAAGGTGCTCCTGGACTACACCGGCCACATCACCTGGACACCG
 CCAGCCATCTTTAAAAGCTACTGTGAGATCATTGTCACCTACTTCCCTTCGATGAGCAGAACTGCAGCA
 TGAAGCTGGGCACCTGGACCTATGACGGCTCTGTGGTGGCCATTAACCCGAAAGTGACCAGCCCGACCT
 GAGTAACCTTCATGGAGAGCGGGAGTGGGTGATCAAGGAAGCTCGGGCTGGAAGCACTGGGTGTTCTAC
 TCCTGCTGCCCCACCCTCCCTACCTGGACATCACCTACCACTTCGTCATGCAGCGCCTGCCCTCTACT
 TCATTGTCAACGTCATCATTCCCTGCCTGCTCTTCTCCTTCTTAACCAGCCTGGTGTCTACCTGCCAC
 AGACTCAGGGGAGAAGATGACGCTGAGCATCTCTGTCTTACTGTCCCTGACCGTGTCTCTCTGGTCATT
 GTGGAGCTAATCCCTCCACCTCCAGCGCTGTGCCCTGATCGGGAAGTATATGTTGTTCCACCATGGTCT
 TTGTCATTGCGTCCATCATCACCCTCATCGTCATCAACACACACCACCGTTCGCCAGCACCACAT
 CATGCCCGAGTGGGTGCGGAAGGTTTTATCGACACTATCCAAACATCATGTTTTTCTCCAAATGAAA
 AGACCATCCAGAGATAAACAAGAGAAAAGGATTTTTACAGAAGACATAGATATATCTGACATCTCTGGGA
 AGCCGGTCTCCACCTATGGGCTTTCCTCTCCGCTGATCAAGCACCCCTGAGGTGAAAAGCCCATCGA
 GGGCGTGAAGTACATTGCAGAGACCATGAAGTCAGACCAGGAGTCCAATAACGCCGCTGAGGAATGGAAG
 TATGTTGCCATGGTATGGATCACATCCTCCTCGAGTCTTTATGCTGGTGTGTCTCATCGGACGCTGG
 CTGTGTTTGCAGGTCGGCTCATTGAGTTACATCAACAAGGA

AG**CGGACCG**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:
 Cloning Scheme:**

SgfI-RsrII

Cloning sites used for ORF Shuttling:



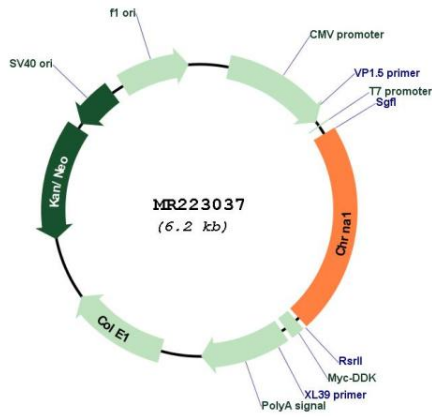
* The last codon before the Stop codon of the ORF

ACCN:

NM_007389

ORF Size:	1371 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_007389.5 , NP_031415.2
RefSeq Size:	4288 bp
RefSeq ORF:	1374 bp
Locus ID:	11435
UniProt ID:	P04756
Cytogenetics:	2 43.76 cM
MW:	52.4 kDa
Gene Summary:	<p>This gene encodes an alpha subunit of the muscle-derived nicotinic acetylcholine receptor, a pentameric neurotransmitter receptor and member of the ligand-gated ion channel superfamily. The alpha subunit plays a role in substrate binding and channel gating. [provided by RefSeq, Nov 2012]</p>

Product images:



Circular map for MR223037