

Product datasheet for **MR207940**

Chrna6 (NM_021369) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna6 (NM_021369) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrna6
Synonyms:	Acra6; Nica6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207940 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGAACAGCCGGGACCAGGAAACCTGCCTCCGGTTTATGTCTGTGGCTATGTGGATTCTGGCTC
 TCTTTAAAGGCAGTACAGGCTGTGAATCTGAAGAGCAGCTCTCCACAGGCTGTTTGCTCACTACAACCG
 CTTTCATCCGGCCGGTGGAGAATGTCTCCGATCCCGTCACGGTGCATTTTGAATTGCAATCACGCAACTG
 GCCAATGTGGATGAAGTCAACCAGATTATGGAGACCAATCTGTGGCTGCGTCACATCTGGAAGGACTACA
 GATTGCGTTGGGATCCAACGGAGTATGATGGCATCGAGACACTTCGAGTCCAGCAGACAACATCTGGAA
 GCCTGACATCGTCTGTATAACAATGCTGTGCGGACTCCAGGTCGAAGGCAAGACCAAAGCTCTTCTC
 AAGTATGACGGTGTGATAACCTGGACCCACCAGCCATCTTAAGAGCTCCTGCCAATGGACATCACCT
 TCTTCCGTTTGACCATCAAACTGCTCCCTGAAGTTTGGTTCTGGACTTATGACAAGGCAGAAATCGA
 CCTTCTCATCATTGGCTCTAAAGTAGACATGAACGACTTTGGGAAAACAGTGAATGGGAAATTGTCGAC
 GCCTCTGGCTATAAAGCATGACATCAAGTACAACCTGCTGTGAAGAGATTTACACGGACATAACCTACTCCT
 TCTACATCAGGAGGTTGCCATGTTTTACACCATCAACCTCATATCCCCTGCCTCTTCATTTCTCTCTCT
 CACGGTGTGTTTTTACCTTCCCTCCGACTGTGGCGAGAAAGTGACTCTTTCATCTCCGTTCTGCTT
 TCTCTCACTGTCTTTTGTGGTGATTACAGAGACCATCCCATCCACATCTCTCGTGATCCCACTGGTGG
 GTGAGTATCTACTGTTACCATGATCTTTGTACGCTGTCCATTGTGGTGACCGTGTTCGTGCTGAACAT
 AACTACAGGACCCAGCAACGCATACCATGCCAAGTGGGTGAAGACCATCTTCCTTACGGCCTCCCC
 TCGATTCTGATGATGAGGAAACCTCTGGACAAGACAAGGAGGCAGGAGGTGTTAAGGACCCAAAAGCC
 ATACCAAGAGGCCTGCCAAGGTCAAATTTACTCATCGAGGAGAATCCAACTTCTAAAGGAATGCCACCA
 CTGCCAAAAATCAAGTGACATAGCACCTGGAAAGAGAAGATCAAGCCAGCAGCCTGCACGGTGGGTGGCA
 GAGAATTCAGAGCACTCGTCCGATGTTGAAGATGTCATCGAGAGTGTCAATTCATAGCAGAAAACATGA
 AGAGCCACAATGAAACAAACGAGGTAGAAGACGACTGGAATACATGGCTATGGTGGTGGACAGAGTCTT
 CCTTTGGGTATTATAATTGTCTGTGTGTTGGAAGTGTGGGGCTATTTCTGCAGCCACTGCTTGGGAAC
 ACAGGAAAGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207940 protein sequence
 Red=Cloning site Green=Tags(s)

MLNSRDQGNLHSGFLCLWLCGFLALFKGSTGCESEEQLFHRLF AHYNRFIRPVENVSDPVTVHFELAITQL
 ANVDEVNQIMETNLWLRHIWKDYRLRWDPTDYDGIETLRVPADNIWKPDI VLYNNAVGFQVEGKTKALL
 KYDGVITWTPPAIFKSSCPMDITFFPFHQNSLKFGSWTYDKAEIDLLIIGSKVDMNDFWENSEWEIVD
 ASGYKHDIKYNCCEEIYTDITYSFYIRRLPMFYINLIIPCLFISFLTVLVFYLPSDCGEKVTLCISVLL
 SLTVFLLVITETIPSTSLVIPLVGEYLLFTMIFVTL SIVVTVFVFLNIHYRTPATHMPKWVKTIFLQAFP
 SILMMRKLPLDKTEAGGVKDPKSHTKRPKVKFTHRGESKLLKECHHCQKSSDIAPGKRRSSQPARWVA
 ENSEHSSDVEDVIESVQFIAENMKSHNETNEVEDDWKYMAMVVDRVFLWVFIIVCVFGTVGLFLQPLLGN
 TGKS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_021369

ORF Size: 1485 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:

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_021369.2](#), [NP_067344.2](#)

RefSeq Size: 2921 bp

RefSeq ORF: 1485 bp

Locus ID: 11440

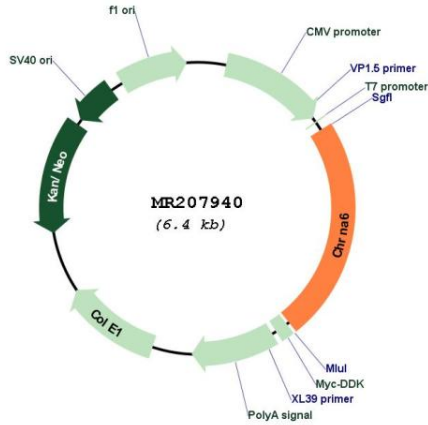
UniProt ID: [Q9R0W9](#)

Cytogenetics: 8 A2

MW: 56.9 kDa

Gene Summary: After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207940