

Product datasheet for **MR226689**

Chrna3 (NM_145129) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna3 (NM_145129) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrna3
Synonyms:	(a)3; A730007P14Rik; Acra-3; Acra3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226689 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATCGGGTCTTCAGACATGGGTGTTGTGCTGCCCGCCGCGCTGTCCATGCTGATGCTGGTGTGATGC
 TGCTGCCAGTGGCCAGCGCCTCGGAAGCTGAGCACCGCCTGTTCCAGTACCTGTTTGAAGATTACAACGA
 GATCATCCGGCCGGTGGCTAACGTGTCCATCCTGTCATCATCCAGTTTGAGGTGTCTATGTCTCAGCTG
 GTGAAGGTGGATGAAGTAAACCAGATCATGAAACCAACCTGTGGCTGAAGCAAATCTGGAATGACTACA
 AGCTGAAATGGAAACCTCTGACTACCAAGGGGTGGAGTTCATGCGAGTCCCTGCAGAGAAGATCTGGAA
 ACCAGACATCGTGCTTTACAACAACGCCGATGGGGATTTCCAAGTGGATGACAAAACCAAAGCTCTACTC
 AAGTACACAGGAGAAGTACTGGATCCCTCCGGCCATCTTTAAGAGCTCATGAAAATCGATGTGACCT
 ACTTCCCGTTTGACTACAAAATGCACCATGAAGTTCGGCTCCTGGTCTACGACAAGGCAAAGATCGA
 CCTGGTCTCATTGGCTCCTCATGAACCTCAAGGACTATTGGGAAAGTGGCGAGTGGGCCATCATTAA
 GCCCGGGCTACAACATGAAATCAAGTACAACCTGCTGTGAGGAGATCTACCAAGACATCAGTACTCGC
 TATACATTCGCCCGCTGCCGCTGTTCTACACCATCAACCTCATCATTCCGTGCTGCTCATCTCCTTCT
 CACTGTGCTCGTCTTCTACCTGCCCTCCGACTGTGGGAGAAGGTGACGCTCTGCATCTCCGTGCTCCTC
 TCCCTGACGGTCTTCTCCTCGTGATCACCGAGACCATCCCTCCACCTCACTGGTATCCCTTGTGCG
 GGGAGTACCTCCTTCTACTATGATTTTTGTACCTTGTCCATCGTCATCACAGTCTTTGTGCTCAACGT
 GCACTACAGAACTCCGACCACACACAGATGCCCACTTGGGTCAAGGCTGTGTTTTGAACCTTCTCCCC
 AGGGTCATGTTTTATGACTAGGCCAACAGCACCGAGGAAGACGCCCAAAGACGAGGAACCTCTACGGTG
 CTGAGCTCTCAAACCTGAACTGCTTCAGCCGTGCAGACTCCAAAAGCTGCAAGGAAGCTACCCCTGCCA
 AGATGGGACATGTGGCTATTGCCACCAGTGGGTAAAAATCTCAAATTCAGTGCCAACCTCACAGA
 AGCTCCAGTCTGAGTCTGTTGATGCTGTGTTGTCCCTGTCTGCTGTGACCAGAAATCAAAGAAGCCA
 TCCAAAGTGTGAAGTATATTGCTGAAAATATGAAAGCACAGAATGTAGCCAAAGAGATTCAAGATGATTG
 GAAGTATGTTGCCATGGTATTGATCGCATTTTTCTCTGGGTTTTATCCTGGTGTGCATTTTAGGAACT
 GCAGGATTATTTCTGCAACCTTGTATGGCCAGAGATGACACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226689 protein sequence
 Red=Cloning site Green=Tags(s)

MRSSDMGVVLPPLSMLMLVLMMLPVASASEAHRFLFQYLFEDYNEIIRPVANVSHPVIIQFEVMSMSQL
 VKVDEVNQIMETNLWLKQIWNQYKWKWPSDYQGVFMRVPAEKIWKPDIVLYNNADGDFQVDDTKALL
 KYTGEVTWIPPAIFKSSCKIDVTYFPFDYQNCMTKFGSWSYDKAKIDLVLIGSSMNLKDYWESGEWAIK
 APGYKHEIKYNCCEEIYQDITYSLYIRRLPLFYTINLIIPCLLISFLTVLVFYLPSDCGEKVTLCISVLL
 SLTVFLLVITETIPSTSLVIPLIGEYLLFTMIFVTLIVITVFLNVHYRTPHTHTMPTWVKAVFLNLLP
 RVMFMRPTSTEEDAPKTRNFYGAELSNLNCFSRDSKSKCEGYPCQDGTGCGYCHHRRVKISNFSANLTR
 SSSSESVDVAVLSALSPEIKEAIQSVKYIAENMKAQNVAKEIQDDWKYVAMVIDRIFLWVFLVLCILGT
 AGLFLQPLMARDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_145129

ORF Size: 1515 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_145129.2](#), [NP_660111.2](#)

RefSeq Size: 3123 bp

RefSeq ORF: 1515 bp

Locus ID: 110834

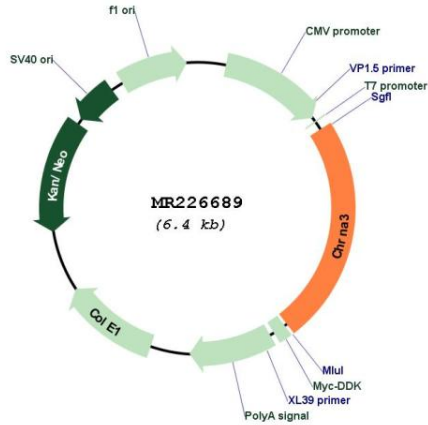
UniProt ID: [Q8R4G9](#)

Cytogenetics: 9 B

MW: 57.7 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 MR226689