

Product datasheet for **MR225729**

Chrna5 (NM_176844) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrna5 (NM_176844) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrna5
Synonyms:	Acra-5; Acra5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR225729 representing NM_176844
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGATCTCGAATGCAGGGTTGCCTGAGCTATCCTCTGCTGCAAACATGAAGACAGTTTGTAGGG
 ATTTATTTGAAGACTATGAAAAGTGGGTTCTGCTCCTGTGGAACACCTGAGTGACAAGATAAAAATCAAGTT
 TGGCCTTGCAATATCTCAGTTAGTGGACGTGGATGAGAAAAACCAGCTAATGACCACCAACGTCTGGTTG
 AAGCAGGAATGGATAGATGTAAGTTAAGATGGAATCCTGATGACTATGGTGAATAAAAATTATACGTG
 TTCCTTCAGACTCTCTGTGGATCCCAGACATCGTTTTGTTTGAATGCAGACGGACGTTTCAAGGGGC
 CAGTACGAAAACAGTTGTCAGGTACAATGGCACTGTCACCTGGACGCAGCCAGCAAACACAAAAGTTCT
 TGCCTATAGATGTGACCTTTTCCATTTGATCTCCAAAATTGCTCCATGAAATTCGGCTCATGGACGT
 ATGATGGATCCCAGGTCGATAAATCCTAGAGGACCAAGATGTCGACAGAACAGACTTTTTGACAAATGG
 AGAATGGGAAATCATGAGCGCAATGGGGAGCAAGGGGAACGGACGGACAGCTGCTGCTGGTACCCCTGC
 ATCACCTACTCCTTCGTGATCAAACGGCTGCCTCTCTTACACCCTGTTTCTTATCATACCCTGCATCG
 GGCTCTCGTTTCTGACTGTGGTTGTCTTCTATCTCCCTTCAAACGAAGGTGAAAAGATTAGCCTGTGCAC
 TTCCGTGCTGGTCTCTGACTGTCTTCTGCTGGTGATTGAGGAAATTATACCGTCATCTTCAAAGTC
 ATACCTCTGATCGGGGAGTACTTGGTGTCCACCATGATCTTCGTGACCCTATCCATTATGGTGACTGTCT
 TTGCCATCAACATCCACCACCGCTCTTCTCCACACAAATGCTATGGCGCCGTTGGTTCGTAAGATATT
 TCTCCACAAGCTTCCAAACTGCTCTGCATGAGAAGTCATGCCGATAGGTACTTCACTCAGAGAGAAGAA
 GCCGAGAAAGACGGTGGACCTAAATCTCGGAATACTTTGGAGGCCGCGCTCGATTGCATTGCTACATCA
 CGAGACAGTAGTAAAAGAGAACGACGTCGCGGAGGTTGTTGAAGATTGGAATTCATAGCCCAAGTTCT
 CGATCGGATGTTTCTATGGACGTTTCTTCTGGTTTCAATCATTGGGACGCTAGGGCTTTTTGTTCTGTT
 ATTTATAAATGGGCAATATAATAGTCCCAGTTACATTGGAACACAATTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225729 representing NM_176844
 Red=Cloning site Green=Tags(s)

MQISNAGLPELSSAAKHEDSLFRDLFEDYEKWRPVEHLSDKIKIKFGLAISQLVDVDEKNQLMTTNVWL
 KQEWIDVKLRWNPDDYGGIKIIRVPSDSLWIPDIVLFDNADGRFEGASTKTVVRYNGTVTWTQPANYKSS
 CTIDVTFPPFDLQNCMSKFGSWTYDGSQVDIILEDQDVDRDFFDNGEWEIMSAMGSKGNRTDSCCWYPC
 ITYSFVIKRLPLFYTLFLIIPCIGLSFLTUVVYFYLPSNEGEKISLCTSVLVSLTVFLLVIEEIIIPSSKV
 IPLIGEYLVFTMIFVTLSIMVTVFAINIHRSSSTHNAMAPWVRKIFLHKLPKLLCMRSHADRYFTQREE
 AEKDGGPKSRNTLEAALDCIRYITRHVVKENDVREVVEDWKFIAQVLDRMFLWTFLLVSIIGTLGLFVFPV
 IYKWANIIVPVHIGNTIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_g05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_176844

ORF Size: 1314 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_176844.5](#)

RefSeq Size: 2738 bp

RefSeq ORF: 1317 bp

Locus ID: 110835

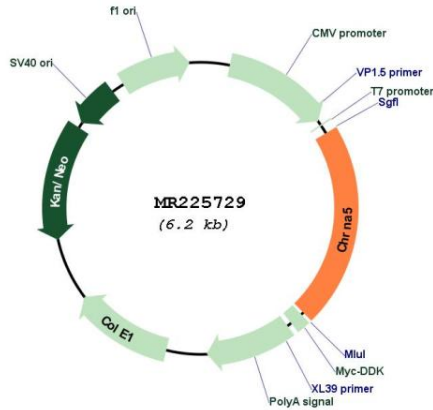
UniProt ID: [Q2MKA5](#)

Cytogenetics: 9 29.84 cM

MW: 50.7 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 MR225729