

Product datasheet for **RC210408A1V**

Human Nicotinic Acetylcholine Receptor beta 2 (CHRNA2) (NM_000748) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Nicotinic Acetylcholine Receptor beta 2 (CHRNA2) (NM_000748) AAV Particle
Tag:	Myc-DDK
Symbol:	Nicotinic Acetylcholine Receptor beta 2
Synonyms:	EFNL3; nAChRB2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC210408 representing NM_000748
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCCGGCGCTGCGGCCCGTGGCGCTGCTCCTTGGCTTCGGCCTCCTCCGGCTGTGCTCAGGGGTGT
 GGGGTACGGATACAGAGGAGCGGCTGGTGGAGCATCTCCTGGATCCTCCCGCTACAACAAGCTTATCCG
 CCCAGCCACCAATGGCTCTGAGCTGGTACAGTACAGCTTATGGTGTCACTGGCCAGCTCATCAGTGTG
 CATGAGCGGGAGCAGATCATGACCACCAATGTCTGGCTGACCCAGGAGTGGGAAGATTATCGCCTCACCT
 GGAAGCCTGAAGAGTTTGACAACATGAAGAAAGTTCGGCTCCCTTCCAAACACATCTGGCTCCCAGATGT
 GGTCTGTACAACATGCTGACGGCATGTACGAGGTGCTCTTCTATTCCAATGCCGTGGTCTCTATGAT
 GGCAGCATCTTCTGGCTGCCGCTGCCATCTACAAGAGCGCATGAAGATTGAAGTAAAGCACTTCCCAT
 TTGACCAGCAGAACTGCACCATGAAGTTCGGTTCGTGGACCTACGACCGCACAGAGATCGACTTGGTGT
 GAAGAGTGAGGTGGCCAGCCTGGACGACTTCACACCTAGTGGTGAAGTGGGACATCGTGGCGCTGCCGGC
 CGGCGCAACGAGAACCCGACGACTCTACGTACGTGGACATCACGTATGACTTCACTTCGCGCGCAAGC
 CGCTCTTCTACACCATCAACCTCATCATCCCCTGTGTGCTCATCACCTCGCTAGCCATCCTTGTCTTCTA
 CCTGCCATCCGACTGTGGCGAGAAGATGACGTTGTGCATCTCAGTGTGCTGGCGCTCACGGTCTTCTGT
 CTGCTCATCTCCAAGATCGTGCTCCCACCTCCCTCGACGTGCCGCTCGTCGGCAAGTACCTCATGTTCA
 CCATGGTGTCTTGTACCTTCTCCATCGTCACGAGCGTGTGCGTGTCAACGTGCACACCGCTCGCCAC
 CACGCACACCATGGCGCCCTGGTGAAGTGTCTTCTGGAAGCTGCCGCGCTGCTCTTATGCGAG
 CAGCCACGCCATATTGCGCCGCTCAGCGCTGCGCTGCGGCGACGCCAGCGTGAGCGCGAGGGCGCTG
 GAGCCCTCTTCTCCGGAAGCCCGAGGGCCGACTCCTGCACGTGCTTCGTCAACCGCGCTCGGTGCA
 GGGGTTGGCCGGGGCTTCGGGGCTGAGCCTGCACAGTGGCGGGCCCGGGCGCTCAGGGGAGCCGTGT
 GGCTGTGGCCTCCGGGAGGCGGTGGACGCGTGCCTTCATCGCAGACCACATGCGGAGCGAGGACGATG
 ACCAGAGCGTGAGTGAGGACTGGAAGTACGTGCGCATGGTGTGACGACGCTCTTCTCTGGATCTTTGT
 CTTTGTCTGTCTTTGGCACCATCGGCATGTTCTGACGCTCTCTTCCAGAACTACACCACCACCACC
 TTCCTCCACTCAGACCACTCAGCCCCAGCTCCAAG

ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210408 representing NM_000748
 Red=Cloning site Green=Tags(s)

MARRCGPVALLLGFGLRLCSGVWGTDEERLVEHLLDPSRYNKLIRPATNGSELVTVQLMVSLAQLISV
 HEREQIMTTNVWLQEWEDYRLTWKPEEFDNMKKVRLPSKHIWLPDVLYNNADGMYEVSFYSNVVSVD
 GSIFWLPPAIYKSACKIEVKHFPFDQQNCTMKFRSWTYDRTEIDLVLKSEVASLDDFTPSGEWDIVALPG
 RRNENPDDSTYVDITYDFIIRKPLFYITINLIIPCVLITSLAILVFYLPSCGKMTLCISVLLALTVFL
 LLISKIVPPTSLDVPLVGKYLMTMLVTFISIVTSVCVLNVHRSPTTHTMAPWVKVVFLEKLPALLFMQ
 QPRHHCARQLRLRRRQREREGAGALFFREAPGADSCFVNRAVQGLAGAFGAEPAPVAGPGRSGEPC
 GCGLREAVDGVRFIADHMRSEDDQSVSEDDWKYVAMVIDRLFLWIFVFCVFGTIGMFLQLFQNYTTTT
 FLHSDHSAPSSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000748

ORF Size:

1506 bp

Buffer:	PBS with 0.001% Pluronic F68
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_000748.1</u>
RefSeq Size:	2448 bp
RefSeq ORF:	1509 bp
Locus ID:	1141
UniProt ID:	<u>P17787</u>
Cytogenetics:	1q21.3
MW:	57.02 kDa