

Product datasheet for **RC214597A1V**

Human Nicotinic Acetylcholine Receptor alpha 4 (CHRNA4) (NM_000744) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Nicotinic Acetylcholine Receptor alpha 4 (CHRNA4) (NM_000744) AAV Particle
Tag:	Myc-DDK
Symbol:	CHRNA4
Synonyms:	BFNC; EBN; EBN1; NACHR; NACHRA4; NACRA4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC214597 representing NM_000744
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGCTAGGGGGCCCCGGAGCGCCGGCTGCTGCCCGCTGCTGCTGCTTCTGGGACCGCCTCC
 TGC GCGCAGCAGCCATGTGGAGACCCGGGCCACGCCGAGGAGCGGCTCCTGAAGAACTCTTCTCCG
 TTACAACAAGTGGTCCCGACCCGTGGCCAACATCTCGGACGTGGTCTCGTCCGCTTCGGCTGTCCATC
 GCTCAGCTCATTGACGTGGATGAGAAGAACCAGATGATGACCACGAACGTATGGGTGAAGCAGGAGTGGC
 ACGACTACAAGCTGCGCTGGGACCCAGCTGACTATGAGAATGTCACTCCATCCGCATCCCTCCGAGCT
 CATCTGGCGGCCGACATCGTCTCTACAACAATGCTGACGGGGACTTCGCGGTACCCACCTGACCAAG
 GCCACCTGTTCCATGACGGGCGGTGCACTGGACTCCCCGGCCATTTACAAGAGCTCTGCAGCATCG
 ACGTCACCTTCTCCCTTCGACCAGCAGAACTGCACCATGAAATTCGGCTCCTGGACCTACGACAAGGC
 CAAGATCGACCTGGTGAACATGCACAGCCGCTGGACCAGCTGGACTTCTGGGAGAGTGGCGAGTGGGTC
 ATCGTGGACGCGTGGGCACCTACAACACCAGGAAGTACGAGTCTGCGCCGAGATCTACCCGGACATCA
 CCTATGCCTTCGTCATCCGGCGGCTGCCGCTCTTCTACACCATCAACCTCATCATCCCTGCCTGCTCAT
 CTCCTGCCTCACCGTGTGCTTCTTACCTGCCCTCCGAGTGTGGCGAGAAGTACAGCTGTGCATCTCC
 GTGCTGCTGTCGCTCACCGTCTTCTGCTGCTCATCACCGAGATCATCCGTCACCTCACTGGTCACTCC
 CACTCATCGGCGAGTACCTGCTGTTACCATGATCTTCGTACCTGTCCATCGTCATACGGTCTTCGT
 GCTCAACGTGCACCACCGCTCGCCACGCACGCACCATGCCCACCTGGGTACGAGGGTCTTCTGGAC
 ATCGTGCCACGCTGCTCCTCATGAAGCGGCCGTCCGTGGTCAAGGACAATTGCCGGCGGCTCATCGAGT
 CCATGCATAAGATGGCAGTGGCCCGCTTCTGGCCGAGCCAGAAGGGGAGCCCCCTGCCACGAGCGG
 CACCCAGAGCCTGCACCCTCCCTCACCGTCTTCTGCGTCCCCCTGGATGTGCCGCTGAGCCTGGGCCT
 TCCTGCAAGTCAACCTCCGACCAGCTCCCTCCTCAGCAGCCCTGGAAGCTGAGAAGCCAGCCCCACC
 CCTCGCTGGACCCTGCCGCCGCCGCCACGGCACCAGGCTGGCCAAAGCCAGGTCCCTCAG
 CGTCCAGCACATGTCCAGCCCTGGCGAAGCGGTGGAAGCGGCGTCCGGTGCCGCTCGGAGCATCCAG
 TACTGTGTTCCCGAGACGATGCCGCCCGGAGGCAGATGGCCAGGCTGCCGGCGCCCTGGCCTCTCGCA
 ACACCCACTCGGCTGAGCTCCACCCCCAGACCAGCCCTCTCCGTGCAATGCACATGCAAGAAGGAGCC
 CTCTTCGGTGTCCCGAGCGCCACGGTCAAGACCCGAGCACCAGCGCCGCCCGCCACCTGCCCTG
 TCGCCGCCCTGACCCGGGCGGTGGAGGCGTCCAGTACATTGCAGACCCTGAAGGCCAAGACACAG
 ACTTCTCGGTGAAGGAGGACTGGAAGTACGTGGCCATGGTCATGACCGCATCTTCTCTGGATGTTAT
 CATCGTCTGCCTGCTGGGACGCTGGGCCTCTTCTGCCGCCCTGGCTGGCTGGCATGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214597 representing NM_000744
 Red=Cloning site Green=Tags(s)

MELGGPGAPRLPPLLLLLGTGLLRASSHVETRAHAERLLKKLFSGYNKWSRPVANISDVVLVRFGLSI
 AQLIDVDEKNQMMTTNVVKQEWHDYKLRWDPADYENVTSIRIPSELIWRPDIVLYNNADGDFAVHLTK
 AHLFHDGRVQWTPPAIYKSSCSIDVTFPFDDQNCMTKFGSWTYDKAKIDLNMHSRVDQLDFWESGEWV
 IVDAGTYNTRKYECCAEIYPDITYAFVIRRLPLFYITINLIIPCLLISCLTVLVFYLPECEGKITLCIS
 VLLSLTVFLLITEIIPSTSLVIPLIGEYLLFTMIFVTLISIVITVFVLNVHHRSPRTHMPTWVRRVFLD
 IVPRLLLMKRPSVVKDNCRRLLIESMHKMASAPRFWPEPEGEPPATSGTQSLHPPSPSFCVPLDPAEPGP
 SCKSPSDQLPPQQPLEAEKASPHSPGPCRPPHGTQAPGLAKARSLSVQHMSSPGEAVEGGVRCRSRIQ
 YCVPRDDAAPEADGQAAGALASRNTHSAELPPDQPSCKCTCKKEPSSVSPSATVKTRSTKAPPHPLPL
 SPALTRAVEGVQYIADHLKAEDTDFSVKEDWKYVAMVIDRIFLWMFIIVCLLGTVGLFLPPWLAGMI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_000744
ORF Size:	1881 bp
Buffer:	PBS with 0.001% Pluronic F7238
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_000744.2</u>
RefSeq Size:	3773 bp
RefSeq ORF:	1884 bp
Locus ID:	1137
UniProt ID:	<u>P43681</u>
Cytogenetics:	20q13.33
MW:	69.96 kDa