

Product datasheet for **RC231298A1V**

Human Nicotinic Acetylcholine Receptor alpha 7 (CHRNA7) (NM_001190455) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Nicotinic Acetylcholine Receptor alpha 7 (CHRNA7) (NM_001190455) AAV Particle
Tag:	Myc-DDK
Symbol:	Nicotinic Acetylcholine Receptor alpha 7
Synonyms:	CHRNA7-2; NACHRA7
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC231298 representing NM_001190455
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCTGCTCGCCGGAGGCGTCTGGCTGGCGCTGGCCGCTCGCTCCTGCACGGTAAAGCCACTGCCT
 CCCCGCCTCCACTCCTCCGTGGGATCCCGGGACATCCCGGGCGCCTCTGTGCGCCCGCGCCTGGGCC
 AGTGTCCCTGCAAGGCGAGTTCAGAGGAAGCTTTACAAGGAGCTGGTCAAGAATAACAATCCCTTGAGAG
 AGGCCCGTGGCCAATGACTCGCAACCACTCACCGTCTACTTCTCCCTGAGCCTCCTGCAGATCATGGACG
 TGGATGAGAAGAACAAGTTTTAAACCACCAACATTTGGCTGCAAATGTCTTGGACAGATCACTATTTACA
 GTGGAATGTGTCAGAATATCCAGGGGTGAAGACTGTTTCGTTTCCAGATGGCCAGATTTGGAAACCAGAC
 ATTCTTCTATAACAGTGTGATGAGCGCTTTGACGCCACATCCACACTAACGTGTTGGTGAATTCTT
 CTGGGCATTGCCAGTACCTGCCTCCAGGCATATCAAGAGTTCCTGCTACATCGATGTACGCTGGTTTCC
 CTTTGATGTGCAGCACTGCAAACCTGAAGTTTGGGTCTGGTCTTACGGAGGCTGGTCTTGGATCTGCAG
 ATGCAGGAGGCAGATATCAGTGGCTATATCCCAATGGAGAATGGGACCTAGTGGGAATCCCGGCAAGA
 GGAGTGAAGGTTCTATGAGTGTGCAAGAGCCCTACCCGATGTCACCTTACAGTGACCATGCGCCG
 CAGGACGCTCTACTATGGCCTCAACCTGCTGATCCCTGTGTGCTCATCTCCGCCCTCGCCCTGCTGGT
 TTCTGCTTCTGCGATTCCGGGGAGAAGATTTCCCTGGGGATAACAGTCTTACTCTCTTACCGTCT
 TCATGTGCTCGTGGCTGAGATCATGCCCGCAACATCCGATTCGGTACCATGATAGCCAGTACTTCGC
 CAGCACCATGATCATCGTGGCCTCTCGGTGGTGGTACGGTATCGTGTGCAGTACCACCACCAGCAG
 CCCGACGGGGCAAGATGCCAAGTGGACCAGAGTCATCTTGAAGTGGTGGCGGTGGTTCTGCGAA
 TGAAGAGCCCGGGGAGGACAAGTGGCCCGCCTGCCAGCACAAAGCAGCGGCGCTGCAGCCTGCCAG
 TGTGGAGATGAGCGCCGTGGCGCCGCCCGCCAGCAACGGGAACCTGCTGTACATCGGCTTCCGCGGC
 CTGGACGGCGTCACTGTGTCCCGACCCCGACTCTGGGGTAGTGTGGCCGCATGGCCTGCTCCCCCA
 CGCACGATGAGCACCTCCTGCACGGCGGGCAACCCCGAGGGGGACCCGGACTTGGCCAAGATCCTGGA
 GGAGGTCCGCTACATTGCCAATCGCTTCCGCTGCCAGGACGAAAGCGAGGCGGTCTGCAGCGAGTGAAG
 TTCGCCGCTGTGTGGTGGACCGCTGTGCCTCATGGCCTTCTCGGTCTTACCATCATCTGCACCATCG
 GCATCCTGATGTCGGCTCCCACTTCGTGGAGCCGTGTCCAAGACTTTGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MRCSPGGVWLALAASLLHGKATASPPSTPPWDPGHIPGASVRPAPGPVSLQGEFQRKLYKELVKNYNPLE
 RPVANDSQPLTVYFSLSLQIMDVDEKNQVLTNIWLQMSWTDHYLQWNVSEYPGVKTVRFPDQIWKPD
 ILLYNSADERFDATFHTNVLVNSSGHCQYLPPGIFKSSCYIDVRWFPFDVQHCKLKFGSWSYGGWSDLQ
 MQEADISGYIPNGEWDLVGIPGKRSEFYECCKEPPDVFTFTVMRRRTLYYGLNLLIPCVLISALALLV
 FLLPADSGEKISLGITVLLSLTVFMLLVAEIMPATSDSVPLIAQYFASTMIIVGLSVVVTVIVLQYHHHD
 PDGGKMPKWTRVILLNWCWFLRMKRPGEDKVRPACQHKQRRCSLASVEMSAVAPPPASGNLLYIGFRG
 LDGVHCVPTPDSGVVCGRMACSPHDEHLLHGGQPPEGDPDLAKILEEVRYIANRFRQDESEAVCSEWK
 FAACVVDRLCLMAFSVFTIICTIGILMSAPNFVEAVSKDFA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001190455

ORF Size:

1593 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_001190455.1</u>
RefSeq ORF:	1596 bp
Locus ID:	1139
UniProt ID:	<u>P36544</u>
Cytogenetics:	15q13.3
MW:	59.7 kDa