

Product datasheet for **RC202886A1V**

Human Vesicular Acetylcholine Transporter (SLC18A3) (NM_003055) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Vesicular Acetylcholine Transporter (SLC18A3) (NM_003055) AAV Particle
Tag:	Myc-DDK
Symbol:	Vesicular Acetylcholine Transporter
Synonyms:	CMS21; VACHT
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC202886 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAATCCGCGGAACCTGCGGGCCAGGCCCGGGCGGCCACCAAGCTGTGCGAGGCTGTGGGCGCGG
 CGCTGCAGGAGCCCCGGCGGCAGAGGCGCTGGTGTCTGTTATCGTGTGCGTGGCGCTGTACTGGACAA
 CATGCTGTACATGGTATCGTGCCCATAGTGCCGACTACATCGCCACATGCGCGGGGCGGCGAGGGC
 CCCACCCGACTCCCGAGGTGTGGGAGCCACCTGCCGCTGCCCACTCCGGCCAATGCCAGCGCCTACA
 CGGCCAACACCTCGGCGTCCCCGACAGCTGCGTGGCCAGCGGGCTCAGCCCTTCGGCCCCGCTACCTAC
 GGAGAGCGAAGACGTGAAGATCGGGGTGCTGTTTGCTTCCAAGGCTATCTGCAGCTGCTAGTGAACCCC
 TTGAGCGGGCCCTTCATGACCCGATGAGCTACGACGTGCCGCTGCTGATCGGCTGGGCGTCATGTTTCG
 CCTCTACAGTCTGTTGCGCTTCGCCGAGGACTACGCCACGCTGTTGCGGCGCGCAGCCTGCAGGGCCT
 GGGCTCAGCCTTCGCCGACACGTCTGGCATAGCCATGATCGCCGATAAGTACCCGAGGAGCCGAGCGC
 AGTCGTGCACTGGGCGTGGCGCTGGCCTTCATTAGCTTCGGAAGCCTAGTGGCCCCGCCCTTCGGGGCA
 TCCTCTATGAGTTCGCCGGAAGCGCGTGCCCTTCTTGGTGCTAGCTGCCGTGTGCTCTTTGACGCGCT
 GTTGCTGCTGGCAGTGGCCAAACCTTCTCGGCGGCTGCACGGGCTCGGGCCAACCTGCCAGTGGGCACT
 CCCATCCACCGCCTCATGCTAGACCCCTACATTGCCGTGGTGGCGGCGCGCTCACCACCTGTAACATTC
 CCCTCGCTTCTCGAACCCACCATGCCACGTGGATGAAGCATACGATGGCGGCTTCCGAGTGGGAGAT
 GGGCATGGCCTGGCTGCCGGCCTTCGTGCTCATGTGCTGGGCGTCTACCTACCGTGCCTGCGCGCG
 CGCTACCCACACCTGCAGTGGCTGTACGGCGCGCTTGGGCTGGCTGTGATCGGCGCCAGCTCGTGATCG
 TGCCCGCTGCCGCTCCTTCGCCGCCCTAGTGGTCTCACTATGCGGCCCTGTTTTGGCATAGCCCTAGT
 CGACACGCACTGCTGCCACGCTCGCCTTCTGGTGGAGCTGCGCCATGTCTCAGTCTATGGCAGCGTC
 TACGCCATCGCGACATCTCCTATTGCGTGGCTACGCGCTCGGGCCCATAGTGGCAGGCCACATTGTGC
 ACTCGTGGGCTTTGAGCAGCTCAGCCTTGGCATGGGACTGGCCAACCTGCTCTATGCTCCCGCTTGTCT
 GCTGCTCCGCAACGTGGGCTCCTGACGCGCTCCCGTTCGAGCGCGATGTGCTGCTGATGAGCCACCG
 CAAGGTCTGTACGATGCGGTGCGCTGCGTGAGCGTCTGTGCTGGCCAGGACGGCGAGCCTCGCAGCC
 CGCCTGGCCCTTTTGATGAGTGCAGGACGACTACAATACTACTACCCCGCAGC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202886 protein sequence
 Red=Cloning site Green=Tags(s)

MESAEPAGQARAAATKLSEAVGAALQEPRRQRLVLVIVCVALLLDNMLYMVIVPIVPDYIAHMRGGGEG
 PTRTPVEWPTLPLPTPANASAYTANTSASPTAAWPAGSALRPRYPTESEDVKIGVLFASKAILQLLVNP
 LSGPFIDRMSYDVPLLIIGLVMASTVLFafaedyatlfaarslqglgsafadtsGIAMIADKYPEEPER
 SRALGVALAFISFGSLVAPPFGGILYEFAGKRVPLVLA AVSLFDALLLAVAKPFSAAARARANLPVGT
 PIHRLMDPYIAVVAGALTTCNIPLAFLEPTIATWMKHTMAASEWEMGMWLPAFVPHVLGVYLVTRLAA
 RYPHLQWLYGALGLAVIGASSCIVPACRSFAPLVVSLCGLCFGIALVDTALLPTLAFLVDVRHVSYYGSV
 YAIADISYSVAYALGPIVAGHIVHSLGFEQLSLGMGLANLLYAPVLLLLLRNVGLLTRSRSERDVLLDEPP
 QGLYDAVRLRERPVSGQDGEPRSPPGPFDECEDDYNYYTTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_003055

ORF Size:

1596 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_003055.1, NP_003046.1</u>
RefSeq Size:	2440 bp
RefSeq ORF:	1599 bp
Locus ID:	6572
UniProt ID:	<u>Q16572</u>
Cytogenetics:	10q11.23
MW:	57 kDa