

Product datasheet for **RC227556A1V**

Human Choline Acetyltransferase (CHAT) (NM_001142934) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Choline Acetyltransferase (CHAT) (NM_001142934) AAV Particle
Tag:	Myc-DDK
Symbol:	CHAT
Synonyms:	CHOACTASE; CMS1A; CMS1A2; CMS6
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC227556 representing NM_001142934
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAGCAAACTCCAGCAGTGAGGAGTCTGGGCTGCCAACTGCCCGTGCCCCGCTGCAGCAGA
 CCTGGCCACGTACCTGCAGTGCATGCGACACTTGGTGTCTGAGGAGCAGTTTCAGGAAGAGCCAGGCCAT
 TGTGCAGCAGTTTGGGGCCCTGGTGGCTCGGCGAGACCCTGCAGCAGAACTCCTGGAGCGGAGGAG
 AAGACAGCCAAGTGGTGTCTGAGTACTGGCTGAATGACATGTATCTCAACAACCGCCTGGCCCTGCCTG
 TCAACTCCAGCCCTGCCGTGATCTTTGCTCGGCAGCACTTCCCTGGCACCAGTACCAGCTGAGGTTTGC
 AGCCAGCCTCATCTCTGGTGTACTCAGTACAAGGCCCTGCTGGACAGCCACTCCATTCCCACTGACTGT
 GCCAAAGGCCAGCTGTCAGGGCAGCCCTTTGCATGAAGCAATACTATGGGCTCTTCTCCTCTACCGGC
 TCCCCGCCATACCCAGGACAGCTGGTGGCTCAGAACAGCAGCATCATGCCGGAGCCTGAGCACGTCTAT
 CGTAGCCTGCTCAATCAGTTCTTTGTCTTGGATGTTGTCATTATTTCCGCCGTCTCAGTGAGGGGGAT
 CTGTCTCACTCAGTTGAGAAAGATAGTCAAAATGGCTTCCAACGAGGACGAGCGTTTGCCTCCAATTGGCC
 TGCTGACGTCTGACGGGAGGAGCGAGTGGGCCGAGGCCAGGACGGTCTCGTGAAAGACTCCACCAACCG
 GGACTCGCTGGACATGATTGAGCGCTGCATCTGCCTTGTATGCCTGGACGCGCCAGGAGCGTGGAGCTC
 AGCGACACCCACAGGGCACTCCAGCTCCTTACGGCGGAGGCTACAGCAAGAACGGGGCAATCGCTGGT
 ACGACAAGTCCCTGCAGTTTGTGGTGGGCCGAGACGGCACCTGCCGTGTGGTGTGCGAACACTCCCCATT
 CGATGGCATCGTCTGGTGCAGTGCAGTGCATCTGCTCAAGCACATGACGAGAGCAGCAGGAAGCTG
 ATCCGAGCAGACTCCGTCAGCGAGCTCCCGCCCCCGGAGGCTGCGGTGGAAATGCTCCCCGGAATTC
 AAGGCCACTTAGCCTCCTCGGCAGAAAACTTCAACGAATAGTAAAGAACCTTGACTTCATTGTCTATAA
 GTTTGACAACTATGGGAAAACATTCTTAAGAAGCAGAAATGCAGCCCTGATGCCTTCATCCAGGTGGCC
 CTCCAGCTGGCCTTCTACAGGCTCCACCGAAGACTGGTGGCCACCTACGAGAGCGCGTCCATCCGCCGAT
 TCCAGGAGGGACGCGTGGACAACATCAGATCGGCCACTCCAGAGGCACTGGCTTTTGTGAGAGCCGTGAC
 TGACCACAAGGCTGCTGTGCCAGCTTCTGAGAAGCTTCTGCTCCTGAAGGATGCCATCCGTGCCAGACT
 GCATACACAGTCATGGCCATAACAGGGATGGCCATTGACAACCACCTGCTGGCACTGCGGGAGCTGGCCC
 GGGCCATGTGCAAGGAGCTGCCGAGATGTTTCTGGATGAAACCTACCTGATGAGCAACCGGTTTGTCTCT
 CTCCTACTAGCCAGGTGCCACAACCACGAGATGTTCTGCTGCTATGGTCTGTGGTCCCAATGGGTAT
 GGTGCTGCTACAACCCCGAGCCAGAGACCATCTTTTCTGCATCTCTAGCTTTACAGCTGCAAAGAGA
 CTTCTTTAGCAAGTTTGCAAAAGCTGTGGAAGAAAGCCTCATTGACATGAGAGACCTCTGCAGTCTGCT
 GCCGCCTACTGAGAGCAAGCCATTGGCAACAAAGGAAAAGCCACGAGGCCAGCCAGGGACACCAACCT

ACCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MAAKTPSSEESGLPKLPVPLQQLATYLQCMRHLVSEEQFRKSQAIVQQFGAPGGLGETLQQKLLERQE
 KTANWVSEYWLNDMYLNNRLALPVNSSPAVIFARQHPGTDQLRFAASLISGVLISYKALLDSHSIPTDC
 AKGQLSGQPLCMKQYYGLFSSYRLPGHTQDTLVAQNSSIMPEEHVIVACCNQFFVLVDVINFRRLSEG
 LFTQLRKIVKMASNEDERLPIGLLTSDDRSEWAEARTVLVKDSTNRDSLMIERCICLVCLDAPGGVEL
 SDTHRALQLLHGGYKNGANRWYDKSLQFVVRDGTGCVVCEHSPFDGIVLVQTEHLLKHMTQSSRKL
 IRADSVSELPAPRRLRWKCSPEIQGHLASSAEKLQRIKLNDFIVYKFDNYGKTFIKKQKCPDAFIQVA
 LQLAFYRLHRRLLVPTYESASIRRFQEGRVNIRSATPEALAFVRAVTDHKAAPASEKLLLLKDAIRAQT
 AYTVMATIGMAIDNHLALRELARAMCKELPEMFMDETYLMNSRFLVSTSQVPTTTEMFCYGPVVPNGY
 GACYNPQPETILFCISSFHSKETSSSKFAKAVEESLIDMRDLCSLLPPTESKPLATKEKATRPSQGHQP

SGPTRRRLKQLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001142934
ORF Size:	1890 bp
Buffer:	PBS with 0.001% Pluronic F9321
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_001142934.1</u> , <u>NP_001136406.1</u>
RefSeq ORF:	1893 bp
Locus ID:	1103
UniProt ID:	<u>P28329</u>
Cytogenetics:	10q11.23
MW:	70.2 kDa