

Product datasheet for **RC222531A1V**

Human Choline Acetyltransferase (CHAT) (NM_020549) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Choline Acetyltransferase (CHAT) (NM_020549) 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:

>RC222531 representing NM_020549
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTGAGGACAGCAAGAAGAGGGGGCTTGGGGAGGGGGGAAATGGAAGAGAGAGAGGGAGGAG
 GTACAAGAGGAAGGAGAGAAGTGCAGCCAGCTTGCTTTCTCCAGTCGGGTGGCCGCGGGACCCGGGCGA
 CGTCGGAGGCCCTGCCGGAACCCAGGCTGCAGCCCCACCCCGCGCTGCGACACGCCCCACCCCTT
 CCGGCTCACACCCCGCCCACTCCTGAGTGGTGCAGTGCAGCGTCGGCCGAGGCAGCAGAGCCGAGGA
 GAGCAGGTCCACACCTTGATCCCTGCACCAGGACTCACCAGACGCCATCCTGGAAGAGTCCCCCG
 TAAGATGGCAGCAAACTCCCAGCAGTGAGGAGTCTGGGCTGCCAACTGCCCGTCCCCCGCTGCAG
 CAGACCTGGCCACGTACCTGCAGTGCATGCGACACTTGGTGTCTGAGGAGCAGTTCAGGAAGAGCCAGG
 CCATTGTGCAGCAGTTTGGGGCCCTGGTGGCCTCGGCAGACCTGCAGCAGAACTCCTGGAGCGGCA
 GGAGAAGACAGCAACTGGGTGTCTGAGTACTGGTGAATGACATGTATCTCAACAACCGCTGGCCCTG
 CCTGTCAACTCCAGCCCTGCCGTGATCTTTGCTCGGCAGCACTTCCCTGGCACCGATGACCAGCTGAGGT
 TTGCAGCCAGCCTCATCTCTGGTGTACTCAGCTACAAGGCCCTGCTGGACAGCCACTCCATTCCCACTGA
 CTGTGCCAAAGGCCAGCTGTGAGGGCAGCCCTTTGATGAAGCAATACTATGGGCTCTTCTCCTCCTAC
 CGGCTCCCCGGCCATACCCAGGACACGCTGGTGGCTCAGAACAGCAGCATCATGCCGGAGCCTGAGCAGC
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 GGCCTGCTGACGTCTGACGGGAGGAGCAGTGGGCCGAGGCCAGGACGGTCTCGTGAAGAGTCCACCA
 ACCGGGACTCGCTGGACATGATTGAGCGCTGCATCTGCCTTGTATGCTGGACGCGCCAGGAGCGTGGA
 GCTCAGCGACACCCACAGGGCACTCCAGCTCCTTACGGCGGAGGCTACAGCAAGAACGGGGCCAATCGC
 TGGTACGACAAGTCCCTGCAGTTTGTGGTGGGCCGAGACGGCACCTGCGGTGTGGTGTGCGAAGCACTCCC
 CATTGATGGCATCGTCTGGTGCAGTGCATGAGCATCTGCTCAAGCATGACGCAGAGCAGCAGGAA
 GCTGATCCGAGCAGACTCCGTGAGCGAGCTCCCCGCCCCCGGAGGCTGCGGTGGAAATGCTCCCCGAA
 ATTCAGGCACTTAGCCTCCTCGGCAGAAAACTTCAACGAATAGTAAAGAACCTTGACTTCATTGTCT
 ATAAGTTTGACAACTATGGGAAAACATTCATTAAGAAGCAGAAATGCAGCCCTGATGCCTTCATCCAGGT
 GGCCCTCCAGCTGGCCTTCTACAGGCTCCATCGAAGACTGGTGCCACCTACGAGAGCGCGTCCATCCGC
 CGATTCCAGGAGGACGCGTGGACAACATCAGATCGGCCACTCCAGAGGCACTGGCTTTTGTGAGAGCCG
 TGACTGACCACAAGGCTGCTGTGCCAGCTTCTGAGAAGCTTCTGCTCCTGAAGGATGCCATCCGTGCCCA
 GACTGCATACAGTCATGGCCATAACAGGGATGGCCATTGACAACACCTGCTGGCACTGCGGGAGCTG
 GCGCGGGCCATGTGCAAGGAGCTGCCCAGATGTTTATGGATGAAACCTACCTGATGAGCAACCGGTTTG
 TCCTCTCCACTAGCCAGGTGCCCAACACGGAGATGTTCTGCTGCTATGGTCTGTGGTCCCAATAGG
 GTATGGTGCCTGCTACAACCCCCAGCCAGAGACCATCCTTTTCTGCATCTCTAGCTTTCACAGCTGCAAA
 GAGACTTCTTCTAGCAAGTTTGCAAAAGCTGTGGAAGAAAGCCTCATTGACATGAGAGACCTCTGCAGTC
 TGCTGCCGCCTACTGAGAGCAAGCCATTGGCAACAAAGGAAAAAGCCACGAGGCCAGCCAGGGACACCA
 ACCT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:	>RC222531 representing NM_020549 Red=Cloning site Green=Tags(s) MGLRTAKKRGLGGGKWKREEGGGTRGRREVRPACFLQSGGRGDPGDVGGPAGNPGCSPHPRAATRPPPL PAHTPAHTPEWCGAASAEAAEPRRAGPHLCIPAPGLTKTPILEKVPRKMAAKTPSSEESGLPKLPVPLQ QTLATYLQCMRHLVSEEQFRKSQAIVQFGAPGGLGETLQQKLLERQEKTANWVSEYWLNDMYLNNRLAL PVNSSPAVIFARQHFPQTDDQLRFAASLISGVLSYKALLDSHSIPTDCAKGQLSGQPLCMKQYYGLFSSY RLPGHTQDTLVAQNSSIMPEPEHVIVACCNQFFVLDVVINFRRLSEGDLFTQLRKIVKMASNEDERLPPI GLLTSDGRSEWAEARTVLVKDSTNRDSLMIERCICLVCLDAPGGVELSDTHRALQLLHGGGYSKNGANR WYDKSLQFVVGRDGTGCVVCEHSPFDGIVLVQCTEHLKHMTQSSRKLIRADSVSELPAAPRRLRWKCSPE IQGHLASSAEKLQRIVKNLDFIVYKFDNYGKTFIKKQKCPDAFIQVALQLAFYRLHRRLVPTYESASIR RFQEGRDVNIRSATPEALAFVRAVTDHKAAPVASEKLLLLKDAIRAQTAYTVMAITGMAIDNHLALREL ARAMCKELPEMFMDETYLMNRFVLSTSQVPTTTEMFCYGPVVPNGYGACYNPQPETILFCISSFHSC ETSSSKFAKAVEESLIDMRDLCSLLPPTESKPLATKEKATRPSQGHQP SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_020549
ORF Size:	2244 bp
Buffer:	PBS with 0.001% Pluronic F8520
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:	NM_020549.2 , NP_065574.3
RefSeq Size:	2485 bp
RefSeq ORF:	2247 bp
Locus ID:	1103
UniProt ID:	P28329
Cytogenetics:	10q11.23
MW:	82.4 kDa