

Product datasheet for **RC206343A1V**

Human **ALG1 (NM_019109)** AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALG1 (NM_019109) AAV Particle
Tag:	Myc-DDK
Symbol:	ALG1
Synonyms:	CDG1K; hMat-1; HMAT1; HMT-1; HMT1; Mat-1; MT-1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC206343 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCGGCTCATGCTTGGTCTGCTGGCGCTGTGTCTGCTGCTGCCGCTGCTGCTGGGAGGATGGA
 AGCGCTGGCGCCGGGGCGGGCGGCCGCATGTAGTAGCGGTGGTGTGGGCGACGTGGGCCCGCAGCCC
 CCGTATGACGTACACGCGCTGTCTGGCCATGCACGGCTTCTCGGTGACCCTCCTGGGTTCTGCAAC
 TCCAAACCCCATGATGAGCTCTTGCAGAACACAGAATTCAGATTGTGGGTTGACAGAACTTCAGAGTC
 TTGAGTTGGGCCCCGAGTTTCCAGTACGGAGTCAAAGTTGTACTTCAGGCTATGTACTGTGTGAA
 GTTGATGTGGAGGAGCCAGGTGCCTATATCTTCTCCAGAACCCCGAGTCTGCCTAGCATTGCTGTC
 TGCTGGTTCGTGGGCTGCCTTTGTGAAGCAAGCTCGTATTGACTGGCACAACATATGGCTACTCCATCA
 TGGGTCTGGTGCATGGCCCCAACCATCCCTCGTTCTGCTGGCCAAGTGTACGAGAAGTTCTTTGGGCG
 CCTGTCCACCTGAACCTGTGTGTACCAATGCTATGCGAGAAGACCTGGCGGATAACTGGCACATCAGG
 GCTGTGACCGTCTACGACAAGCCGCATCTTTCTTTAAAGAGACACCTCTGGACCTGCAGCACCGGCTCT
 TCATGAAGCTGGGCAGCATGCACTCTCCGTTACAGGCCCCGCTCAGAACCTGAGGACCCAGTCACGGAGCG
 GTCGGCCCTTACGGAGCGGGATGCTGGGAGCGGGCTGGTGACGCGTCTCCGTGAGCGGCCAGCCCTGCTG
 GTCAGCAGCAGAGCTGGACAGAGGACGAAGACTTCTCCATCCTGCTGGCAGCTTTAGAAAAGTTTGAAC
 AACTGACTCTTGATGGACACAACCTTCTTCTCTGCTGTGTGATAACAGGCAAAGGGCCTATGAGGGA
 GTATTATAGCCGCTCATCCACCAGAAGCACTCCAGCACATCCAGGTCTGCACCCCTGGCTGGAGGCC
 GAGGACTACCCCTGCTTCTAGGGTCGGCGGACCTGGGTGTCTGTCTGCACACGTCTCCAGTGGCCTGG
 ACCTGCCCATGAAGGTGGTGGACATGTTCCGGTGTCTGTTGCCTGTGTGTGCTGTGAACCTCAAGTGT
 ACATGAGCTGGTGAAACATGAAGAAAATGGCCTGGTCTTTGAGGACTCAGAGGAACTGGCAGCTCAGCTG
 CAGATGCTTTTCTCAAACTTTCTGATCCTGCGGGCAAGCTAAACCAGTTCGGAAGAACCTGCGGGAGT
 CGCAGCAGCTCCGATGGGATGAGAGCTGGGTGCGGACTGTGCTCCCTTTGGTTATGGACACA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206343 protein sequence
 Red=Cloning site Green=Tags(s)

MAASCLVLLALCLLLPLLLLGGWKRWRGRRAARHVAVVLGDVGRSPRMQYHALSLAMHGFSVTLTGFCN
 SKPHDELLQNNRIQIVGLTELQSLAVGPRVFQYGVKVVLLQAMYLLWKLMMWREPGAYIFLQNPPLPSIAV
 CWFVGLCLGSKLVIDWHNYGYSIMGLVHGPNHPLVLLAKWYKFFGRLSHLNLCVTNAMREDLADNWHIR
 AVTVYDKPASFFKETPLDLQHRLFMKLGSMHSPFRARSEPDPVTERSAFTERDAGSGLVTRLRERPALL
 VSSTSWTEDEDFSILLAALEKFEQLTLDGHNLPVLCVITGKGPMPREYYSRLIHQKHFIQVCTPWLEA
 EDYPLLLGSADLGVCLHTSSSGLDLPKVVDMFGCCLPVCVAVNFKCLHELKHEENGLVFEDSEELAAQL
 QMLFSNFPDPAGKLNQFRKNLRESQQLRWDESWVRTVLPVMDT

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_019109

ORF Size:

1392 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_019109.3</u>
RefSeq Size:	3946 bp
RefSeq ORF:	1395 bp
Locus ID:	56052
UniProt ID:	<u>Q9BT22</u>
Cytogenetics:	16p13.3
MW:	52.6 kDa