

Product datasheet for **RC216728A1V**

Human **ATG16L1** (NM_030803) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ATG16L1 (NM_030803) AAV Particle
Tag:	Myc-DDK
Symbol:	ATG16L1
Synonyms:	APG16L; ATG16A; ATG16L; IBD10; WDR30
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC216728 representing NM_030803
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGC

ATGTCGTCGGGCTCCGCGCCGCTGACTTCCCCGCTGGAAGCGCCACATCTCGGAGCAACTGAGCGCC
 GGGACCGCTGCAGAGACAGGCGTTTCGAGGAGATCATCTGCAGTATAACAAATTGCTGGAAAAGTCAGA
 TCTTCATTCACTGTTGGCCAGAACTACAGGCTGAAAAGCATGACGTACCAACAGGCACGAGATAAGT
 CCCGGACATGATGGCAGATGGAATGACAATCAGCTACAAGAAATGGCCAACTGAGGATTAAGCACCAAG
 AGGAACTGACTGAATTACACAAGAAACGTGGGAGTTAGCTCAACTGGTGATTGACCTGAATAACCAAT
 GCAGCGGAAGGACAGGAGATGCAGATGAATGAAGCAAAATTCAGAATGTTTGCAGACTATCTCTGAC
 CTGGAGACGGAGTGCCTAGACCTGCGCACTAAGCTTTGTGACCTTGAAAGAGCCAACAGACCCTGAAGG
 ATGAATATGATGCCCTGCAGATCACTTTTACTGCCTTGAGGGGAAAAGTGAAGAACTACGGAAGAGAA
 CCAGGAGCTGGTCACAGATGGATGGCTGAGAAAGCCAGGAAGCCAATCGGCTTAATGCAGAGAATGAA
 AAAGACTCCAGGAGGCGCAAGCCCGCTGCAGAAAGAGCTTGCAAGAGCAGAAAGGAACCTCTACCAG
 TCGAACAGGATGATGACATTGAGGTCTTGTGGATGAACTTCTGATCACACAGAAGAGACCTCTCTGT
 GCGAGCCATCAGCAGAGCAGCCACTAAGCGACTCTCGCAGCCTGCTGGAGGCTTCTGGATTCTATCACT
 AATATCTTTGGGAGACGCTCTGTCTCTTCTTCCAGTCCCCAGGACAATGTGGATACTCATCTGGTT
 CTGGTAAAGAAGTGAGGTACCAGCTACTGCCTTGTGTCTTCGATGCACATGATGGGAAGTCAACGC
 TGTGCAGTTCACTCCAGTTCCCGTTACTGGCACTGGAGGCATGGACCGCAGGTTAAGCTTTGGGAA
 GTATTTGGAGAAAAATGTGAGTTCAAGGTTCCCTATCTGGCAGTAATGCAGGAATTACAAGCATTGAAT
 TTGATAGTGTGGATCTTACCTCTAGCAGCTTCAAATGATTTTGAAGCCGAATCTGGACTGTGGATGA
 TTATCGATTACGGCACACACTACGGGACACAGTGGGAAAGTGTCTGTCTAAGTTTCTGCTGGACAAT
 GCGCGGATTGTCTCAGGAAGTACGACCGGACTCTCAAACTCTGGGATCTACGCAGCAAGTCTGCATAA
 AGACAGTGTTCAGGATCCAGTTGCAATGATATTGTCTGCACAGAGCAATGTGAATGAGTGGACATTT
 TGACAAGAAAAATCGTTTCTGGGACATTCGATCAGAGAGCATAGTTTCGAGAGATGGAGCTGTTGGGAAAG
 ATTACTGCCCTGGACTTAAACCCAGAAAGGACTGAGCTCTGAGCTGCTCCCGTATGACTTGTAAAAG
 TTATTGATCTCCGAACAAATGCTATCAAGCAGACATTCAGTGCACCTGGGTTCAAGTGCAGCTCTGACTG
 GACCAGAGTTGTCTTCAAGCCTGATGGCAGTTACGTGGCGGCAGGCTCTGCTGAGGGCTCTCTGTATATC
 TGGAGTGTCTCAGGGAAAGTGGAAAAGTTCTTTCAAAGCAGCACAGCTCATCCATCAATGCGGTGG
 CGTGGTCGCCCTCTGGCTCGCACGTTGTCAAGTGTGACAAAGGATGCAAGCTGTGCTGTGGGCACAGTA
 C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MSSGLRAADFPRWKRHISEQLRRRDRLQRQAFEEIILQYNKLLKSDLSVLAQKLQAEKHDVNPNRHEIS
 PGHDGTWNDNLQEMAQLRIKHQEELTELHKKRGELAQLVIDLNNQMQRKDREMOMNEAKIAECLQTISD
 LETECLDLRTKCLDERANQTLKDEYDALQITFTALEGKLRKTTEENQELVTRWMAEKAQANRLNAENE
 KDSRRRQARLQKELAEAAKEPLPVEQDDIEIVDETSDHTEETSPVRAISRAATKRLSQPAGGLDSIT
 NIFGRRSVSSFPVPQDNVDTHPGSGKEVRVPATALCVFDAHDGEVNAVQFSPGSRLLATGGMDRRVKLWE
 VFGEKCEFKGSLSGSNAGITSIEFDSAGSYLLAASNDFAIRIWTVDYRLRHTLTGHSGKVLSAKFLLDN
 ARIVSGSHDRTLKLWDLRSKVCIKTVFAGSSCNDIVCTEQCVMSGHFDKKIRFWDIRSEISIVREMELLGK
 ITALDLNPERTELLSCSRDCLKVIDLRTNAIKQTFAPGFKGSDWTRVVFSPDGSYVAAGSAEGSLYI
 WSVLTGKVEKVLKQHSSSINAVAWSPSGSHVSVVDKGCKAVLWAQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_030803
ORF Size:	1821 bp
Buffer:	PBS with 0.001% Pluronic F7586
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_030803.6</u>
RefSeq Size:	3411 bp
RefSeq ORF:	1824 bp
Locus ID:	55054
UniProt ID:	<u>Q676U5</u>
Cytogenetics:	2q37.1
MW:	68.1 kDa