

Product datasheet for **MR210108A1V**

Mouse Atg7 (NM_028835) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Atg7 (NM_028835) AAV Particle
Tag:	Myc-DDK
Symbol:	Atg7
Synonyms:	1810013K23Rik; Agp7; Apg7l; Atg7l; Gm21553
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>MR210108 representing NM_028835
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGGACCCTGGACTGGCCAAGTTGCAGTTCGCCCCCTTTAATAGTGCCTGGACGTTGGCTTCTGGC
 ACGAACTGACCCAGAAGAAGTTGAACGAGTACCGCCTGGACGAGGCACCCAAAGACATCAAGGGCTATTA
 CTACAATGGTGACTCTGCTGGTCTGCCACCCGCTTGACGTTGGAGTTCAAGTCTTTGACATGAGTGCC
 TCCACGCTGCCCACTGCTGCCCGGCCATGGGAACCTGCACAACACCAACACACTTGAGGCTTTTAAGA
 CAGCAGACAAGAAGCTCCTTCTGGAGCAGTCAGCAATGAGATCTGGGAAGCCATAAAGTCAGGTGCTGC
 TCTCGAAAACCCATGCTCCTCAACAAGTTTCTGCTCCTGACCTTCGCGGACCTAAAGAAGTACCACTTC
 TACTACTGGTTTTGCTGCCCCGCCCTCTGTCTTCTGAGAGCATCCCTCTAATCCGGGGACCTGTGAGCT
 TGGATCAAAGGCTTTACCAAAACAGATCCAGGCCCTGGAGCATGCCTATGATGATCTGTGTCGAGCCGA
 AGGCGTCACGGCCTGCCCTACTTCTTATTCAAGTACGATGACGACACTGTTCTGGTCTCCTTGCTCAAA
 CACTACAGTGATTTCTTCCAAGGTCAAAGGACAAAGATAACAGTTGGTGTGTACGATCCCTGTAACTAG
 CCCAGTACCCTGGATGGCCTTTGAGGAATTTTTGGTCCTGGCAGCCACAGATGGAGCGGCAGTTTCCA
 GTCCGTTGAAGTCCTCTGCTTTCCGGACCGCACCATGCAGGGAGCTAGAGACGTGACACATAGCATCATC
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 ATCTGTGGATCTGAATCTCAAGCTGATGTGCTGGCGATTGGTCCCCACCTTGACTTGGACAAGGTCGTG
 TCTGTCAAGTGCTGCTGCTGGGAGCTGGTACCTTGGGGTGAATGTGGCTAGGACACTGATGGGCTGGG
 GCGTCAGACATGTCACCTTTGTGGATAACGCCAAGATCTCCTACTCCAATCCCGTGAGGCAGCCTCTGTA
 TGAATTTGAAGATTGTCTAGGGGGTGGCAAGCCCAAGGCCCTGGCTGCAGCAGAGCGGCTACAGAAAATA
 TTTCCCGAGTGAATGCCAGAGGTTCAACATGAGCATCCCCATGCCAGGACACCCTGTGAACCTTCTCTG
 ACGTCACGATGGAGCAGGCCCGCAGAGATGTGGAGCAGCTGGAGCAGCTCATTGATAACCATGATGTCAT
 CTTCTGCTAATGGACACCAGGGAGAGCCGGTGGCTTCTACTGTTATTGCAGCCAGCAAGCGAAAGCTG
 GTCATCAACGCTGCCTTGGGGTTTGATACCTTTGTTGTCATGAGACATGGCCTGAAGAAACCCAAGCAGC
 AGGGAGCCGGAGACCTTGCCCAAGCCATCTTGTAGCACCTGCTGACCTGGGCTCCTCACTTTTTGCCAA
 CATCCCTGGATACAAGCTTGGCTGCTACTTCTGCAATGATGTGGTGGCTCCAGGAGATTAACACAGAGAC
 CGGACTCTGGACCAGCAGTGACAGTGAGCCGCCAGGCTGGCCGTGATTGCAGGTGCCCTGGCTGTGG
 AGCTGATGGTCTCTGTCTGCAGCATCCTGAGGGGGGCTACGCCATCGCCAGCAGCAGTATGACCGCAT
 GAATGAGCCTCCACCTCGCTGGGACTTGTGCCTCACCAGATCCGGGGTTTTCTGTACAGGTTTCGATAAT
 GTTCTTCTGTGAGCCTGGCATTGATAAATGTACAGCCTGTTACCCAAAGTTCTTGATCAGTACGAGC
 GAGAAGGATTCACCTTCTAGCGAAGGTTTTAACTCCTCACATTCTTCTAGAACTTGACCGGTCT
 TACCCTGCTCCATCAAGAGACCAAGCTGCTGAGATCTGGGACATGAGTGACGAGGAGACTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR210108 representing NM_028835 Red=Cloning site Green=Tags(s) MGDPGLAKLQFAPFNSALDVGFWHELTQKKLNEYRLDEAPKDIKGYYYNGDSAGLPTRLTLEFSAFDMSA STPAHCCPAMGTLHNTNTLEAFKTADKKLLLEQSANEIWEAIKSGAALNPMLLNKFLLLTFADLKYYHF YYWFCCPALCLPESIPLIRGPVSLDQRLSPKQIQALEHAYDDL CRAEGVTALPYFLFKYDDDTVLVSLLK HYSDFQGGQRTKITVGVDPCNLAQYPGWPLRNFLVLAHRWSGSFQSVEVLCFRDRTMQGARDVTHSII FEVKLPEMAFSPDCPKAVGWEKNQKGGMGPRMVNLSGCMDPKRLAESSVDLNLKLMCWRLVPTLDLDKVV SVKCLLLGAGTLGCNVARTLMGWGVRHVTFVDNAKISYSNPVRQPLYEFEDCLGGGKPKALAAAERLQKI FPGVNARGFNMSIPMPGHPVNFSDVTMEQARRDVEQLEQLIDNHVIFLLMDTRESRWLPTVIAASKRKL VINAALGFDTFVVMRHGLKKPKQQGAGDLCPSHLVAPADLGSSLFANIPGYKLGCFYFCNDVVAPGDSTRD RTLDDQCTVSRPGLAVIAGALAVELMVSVLQHPEGGYAIASSDDRMNEPPTSLGLVPHQIRGFLSRFDN VLPVSLAFDKCTACSPKVLQYEREGFTFLAKVFNSHSLFEDLTGLTLLHQETQAAEIWDMSDEETV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Mouse
Serotype:	AAV-2
ACCN:	NM_028835
ORF Size:	2094 bp
Buffer:	PBS with 0.001% Pluronic F1206
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_028835.1</u>
RefSeq Size:	3061 bp
RefSeq ORF:	2097 bp
Locus ID:	74244
UniProt ID:	<u>Q9D906</u>
Cytogenetics:	6 E3
MW:	78 kDa