

Product datasheet for **RC226566A1V**

Human Apolipoprotein L 1 (APOL1) (NM_001136540) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Apolipoprotein L 1 (APOL1) (NM_001136540) AAV Particle
Tag:	Myc-DDK
Symbol:	Apolipoprotein L 1
Synonyms:	APO-L; APOL; APOL-I; FSGS4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC226566 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGGGAGCTGCTTTGCTGAGAGTCTCTGTCCTCTGCATCTGGATGAGTGCACCTTTCTTGGTGTGG
GAGTGAGGGCAGAGGAAGCTGGAGCGAGGGTGCAACAAACGTTCCAAGTGGGACAGATACTGGAGATCC
TCAAAGTAAGCCCTCGGTGACTGGGCTGCTGGCACCATGGACCCAGAGAGCAGTATCTTTATTGAGGAT
GCCATTAAGTATTTCAAGGAAAAAGTGAGCACACAGAATCTGCTACTCCTGCTGACTGATAATGAGGCCT
GGAACGGATTCTGGCTGCTGCTGAAGTGGCAGGAATGAGGCAGATGAGCTCCGTAAGCTCTGGACAA
CCTTGCAAGACAAATGATCATGAAAGACAAAACTGGCAGGATAAAGGCCAGCAGTACAGAACTGGTTT
CTGAAAGAGTTTCCTCGGTTGAAAAGTAAGCTTGAGGATAACATAAGAAGGCTCCGTGCCCTTGAGATG
GGGTTGAGAGGTCCACAAAGGCACCACCATCGCAATGTGGTGTCTGGCTCTCTCAGCATTTCTCTG
CATCCTGACCCTCGTCGGCATGGGTCTGGCACCCTTCACAGAGGGAGGCAGCCTTGACTCTTGGAACCT
GGGATGGAGTTGGGAATCACAGCAGCTTTGACCGGGATTACCAGCAGTACCATAGACTACGGAAGAAAGT
GGTGGACACAAGCCCAAGCCACGACCTGGTCATCAAAGCCTTGACAAATTGAAGGAGGTGAAGGAGTT
TTTGGGTGAGACATATCCAATTTCTTTCTTAGCTGGCAATACTTACCAACTCACACAGGCATTGGG
AAGGACATCCGTGCCCTCAGACGAGCCAGAGCCAATCTTCAGTCAGTACCGCATGCCTCAGCCTCACGCC
CCCGGGTCACTGAGCCAATCTCAGCTGAAAGCGGTGAACAGGTGGAGAGAGTTAATGAACCCAGCATCCT
GGAAATGAGCAGAGGAGTCAAGCTCACGGATGTGGCCCTGTAAGCTTCTTTCTGTGCTGGATGTAGTC
TACCTCGTGTACGAATCAAAGCACTTACATGAGGGGGCAAAGTCAGAGACAGCTGAGGAGCTGAAGAAGG
TGGCTCAGGAGCTGGAGGAGAAGCTAAACATTCTCAACAATAATTATAAGATTCTGCAGGCGGACCAAGA
ACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>RC226566 protein sequence Red=Cloning site Green=Tags(s) MEGAALLRVSVLCIWMASALFLGVGVRAEEAGARVQQNVPSGTDGDPQSKPLGDWAAGTMDPESSIFIED AIKYFKEKVSTQNLLLLLTDNEAWNGFVAAAELPRNEDELKALDNLARQMIMKDNWHDKGQQYRNWF LKEFPRLKSKLEDNIRRLRALADGVQKVHKGTTIANVVSGLSISGILTLVGMGLAPFTEGGSVLLEP GMELGITAALTGITSSTIDYGKKWWTQAQADLVIKSLDKLKEVKEFLGENISNFLSLAGNTYQLTRGIG KDIALRRARANLQSVPHASASRPVTEPI SAESGEQVERVNEPSILEMSRGVKLTDVAPVSFFLVLDV YLVYESKHLHEGAKSETAEELKKVAQELEEKLNLNNYKILQADQEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001136540
ORF Size:	1194 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_001136540.1</u> , <u>NP_001130012.1</u>
RefSeq Size:	2924 bp
RefSeq ORF:	1197 bp
Locus ID:	8542
UniProt ID:	<u>O14791</u>
Cytogenetics:	22q12.3
MW:	43.9 kDa