

Product datasheet for **RC204425A1V**

Human ATP6V1A (NM_001690) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ATP6V1A (NM_001690) AAV Particle
Tag:	Myc-DDK
Symbol:	ATP6V1A
Synonyms:	ARCL2D; ATP6A1; ATP6V1A1; DEE93; HO68; IECEE3; VA68; Vma1; VPP2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC204425 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGATTTTTCCAAGCTACCCAAAATACTCGATGAAGATAAAGAAAGCACATTTGGTTATGTGCATGGG
 TCTCAGGACCTGTGGTTACAGCCTGTGACATGGCGGGTGACCCATGTATGAGCTGGTGAGAGTGGGCCA
 CAGCGAATTGGTTGGAGAGATTATTCGATTGGAGGGTGACATGGCTACTATTCAGGTGTATGAAGAACT
 TCTGGTGTCTGTTGGAGATCCTGTACTTCGCACTGGTAAACCCCTCTCTGTAGAGCTTGGTCTGGCA
 TTATGGGAGCCATTTTTGATGGTATTCAAAGACCTTTGTCGGATATCAGCAGTCAGACCCAAAGCATCTA
 CATCCCCAGAGGAGTAACGTGTCTGCTCTTAGCAGAGATATCAAATGGGACTTTACACCTTGCAAAAAC
 CTACGGGTTGGTAGTCATATCACTGGCGGAGACATTTATGGAATTGTCAGTGAGAACTCGCTTATCAAAC
 ACAAATCATGTTACCCACGAAACAGAGGAAGTAACTTACATTGCTCCACCTGGGAATTATGATAC
 CTCTGATGTTGTCTGGAGCTTGAATTTGAAGGTGTAAGGAGAAAGTTACCATGGTGCAAGTATGGCCT
 GTACGTCAGTTTCGACCTGTCACTGAGAAGCTGCCAGCCAATCATCTCTGTTGACTGGCCAGAGAGTCC
 TTGATGCCCTTTTCCGTGTGTCCAGGGAGGAAGTACTGCTATCCCTGGAGCCTTTGGCTGTGGAAGAC
 AGTGATATCACAGTCTCTATCCAAGTATTCTAACAGTGATGTAATCATCTATGTAGGATGTGGTGAAGA
 GGAAATGAGATGTCTGAAGTCTCCGGGACTTCCAGAGCTCACAAATGGAGGTTGATGGTAAGGTAGAGT
 CAATTATGAAGAGGACAGCTTTGGTAGCCAATACCTCCAATATGCCTGTTGCTGCTAGAGAAGCCTCTAT
 TTATACTGGAATCACACTGTGAGAGTACTTCCGTGACATGGGCTATCATGTCAGTATGATGGCTGACTCT
 ACCTCTAGATGGGCTGAGGCCCTTAGAGAAATCTCTGGTCGTTTAGCTGAAATGCCTGCAGATAGTGGAT
 ATCCAGCCTATCTTGGTGCCCGTCTGGCCTCGTTTTATGAACGAGCAGGCAGGGTGAAATGTCTTGAAA
 TCCTGAAAGAGAAGGGAGTGTCAAGCATTGTAGGAGCAGTTTCTCCACCTGGTGGTGATTTTTCTGATCCA
 GTTACATCTGCCACTCTTGGTATCGTTCAAGGTGTTCTGGGGCTTAGATAAGAACTAGCTCAACGTAAGC
 ATTTCCCTCTGTCAATTGGCTCATCAGCTACAGCAAGTATATGCGTGCCTTGGATGAATACTATGACAA
 ACACCTCACAGAGTTCGTTCTCTGAGGACGAAAGCTAAGGAAATTCGCAGGAAGAAGAAGACCTGGCA
 GAAATTGTACAGCTTGTGGGAAAGGCTTCTTGGCAGAAACAGATAAAATCACTCTGGAGGTAGCAAAAC
 TTATCAAAGATGATTTCTACAACAAATGGATATACTCTTATGACAGGTTCTGCCATTCTACAAGAC
 AGTAGGGATGCTGCAACATGATTGCATTTTATGATATGGCTCGTAGAGCTGTTGAAACCACTGCCAG
 AGTGACAATAAAATCACATGGTCCATTATTCGTGAGCACATGGGAGACATCCTCTATAAACTTTCTCCA
 TGAAATTCAAGGATCCACTGAAAGATGGTGAGGCAAGATCAAAGCGACTATGCACAACCTCTTGAAGA
 CATGCAGAATGCATTCCGTAGCCTTGAAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204425 protein sequence
 Red=Cloning site Green=Tags(s)

MDFSKLPKILDEDKESTFGYVHGVSGPVVTACDMAGAAMYELVRVGHSELVGEIIRLEGDMATIQVYEET
 SGVSVGDPVLRGKPLSVELGPGIMGAIFDGIQRPLSDISSQTQSIYIPRGVNVLSALSRDIKWDFTPCKN
 LRVGSHITGGDIYGVSENSLIKHKIMLPNRNRTVTYIAPPGNYDTSVVLELEFEGVKEKFTMVQVWP
 VRQVRPTEKLPANHLLTGQVLDALFPCVQGGTTAIPGAFGCGKTVISQSLSKYSNSDVIIYVGCGER
 GNEMSEVLDRDFPELTMEVDGKVESIMKRTALVANTSNMPVAAREASIYTGITLSEYFRDMGYHVSMMADS
 TSRWAEALREISGRLEAMPADSGYPAYLGARLASFYERAGRVKCLGNPEREGSVSIVGAVSPPGGDFSDP
 VTSATLGIVQVFWGLDKKLAQRKHFPVSNWLISYSKYMRALDEYDKHFTFVPLRTKAKEILQEEEDLA
 EIVQLVGKASLAETDKITLEVAKLIKDDFLQQNGYTPYDRFCPFYKTVGMLSNMIAFYDMARRAVETTAQ
 SDNKITWSIIREHMGDILYKLSSMKFKDPLKDGEAKIKSDYAQLLEDQMNAFRSLD

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001690
ORF Size:	1851 bp
Buffer:	PBS with 0.001% Pluronic F5573
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_001690.2</u>
RefSeq Size:	4607 bp
RefSeq ORF:	1854 bp
Locus ID:	523
UniProt ID:	<u>P38606</u>
Cytogenetics:	3q13.31
MW:	68.3 kDa