

Product datasheet for **RC209462A1V**

Human ATP6V1B1 (NM_001692) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ATP6V1B1 (NM_001692) AAV Particle
Tag:	Myc-DDK
Symbol:	ATP6V1B1
Synonyms:	ATP6B1; DRTA2; RTA1B; VATB; VMA2; VPP3
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC209462 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCATGGAGATAGACAGCAGGCCTGGGGGCTCCCGGCAGTAGCTGCAACCTAGGTGCAGCCCGAG
 AACACATGCAGGCGGTACCCGAACTACATCACCCACCCCGTGTACCTACAGGACTGTGTGAGTGT
 GAACGGGCCCTGGTGGTGTGGACCGGTCAAGTTTGCCAGTATGCGGAGATCGTCCACTTACCCTC
 CCAGATGGGACTCAGAGGAGCGGGCAGGTGCTTGGAGTGGCTGGCACCAAGCGATTGTTGAGGTGTTG
 AAGGGACATCAGGGATCGATGCCAGGAAGACACTTGGCAATTTACAGGGGACATCCTACGAACTCCGT
 GTCAGAGGACATGCTGGGTGGGTTTTCAATGGCTCCGGCAAGCCATTGACAAGGGGCCAGTGGTCATG
 GCGGAGGACTTTCTGGATATCAATGGCCAGCCATCAACCCGACTCCCGCATCTACCCGAGGAGATGA
 TTCAGACGGGCATTTCTCTATTGACGTCATGAACAGCATTGCCCGCGCCAGAAGATCCCCATCTTCTC
 AGCAGCCGGGCTCCCCACAATGAGATTGCCGCTCAGATCTGCCGCCAGGCGGGGCTGGTGAAGAAGTCC
 AAGGCTGTGCTGGATTACCATGACGACAACTTCGCCATCGTCTTTCAGCCATGGGGGTGAACATGGAGA
 CAGCCAGATTCTCAAGTCTGACTTTGAGCAGAATGGAACCATGGGGAACGTCTGCCTCTTCTGAACTT
 GGCCAATGACCCACGATCGAGCGGATCATACCCCGCCTGGCGCTGACCACTGCTGAATTCCTTGCC
 TACCAGTGTGAGAAGCATGTGCTGGTCACTACTGACGGACATGAGTTTCTATGCAGAGGCTTGGCGGAGG
 TCTCTGCTGCTAGAGAGGAGGTGCTGGGCGCCGAGGGTTTTCTGGATATATGTACACAGACCTGGCCAC
 CATCTACGAGCGGGCGGGCGGTGGAGGGTGGGGAGGATCCATCACACAGATCCCCATCTCACCATG
 CCCAACGACGATATACCCACCCTATCCAGACTTGACGGGCTTCATCACAGAGGGACAGATCTACGTGG
 ACAGACGCTTCAACACAGACAGATCTACCCCCCATCAACGTGCTCCCTCCCTGTCGGGCTGATGAA
 GTCAGCCATTGGGGAAGGCATGACAAGAAGGACCATGGAGATGTCTCAACCAGCTGTACGCCTGCTAT
 GCCATCGGGAAGGACGTGCAGGCCATGAAGGCAGTAGTTGGGAGGAGGCGCTCACCTCTGAGGACCTGC
 TCTACCTGGAATTCTGCAGAAGTTTGAGAAGAACTTCAATCAATCAGGGCCCTACGAGAACCGCTCGGT
 GTTCGAGTCGCTGGACCTGGGCTGGAAGCTGCTGCGCATCTTCCCAAGGAGATGCTGAAGCGCATTCCG
 CAGGCCGTGATCGACGAGTTCTATTCCCGCAGGGGGCGCTGCAGGACCTCGCGCTGACACTGCGCTC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209462 protein sequence
 Red=Cloning site Green=Tags(s)

MAMEIDSRPGGLPGSSCNLGAAREHMQAVTRNYITHPRVYRTVCSVNGPLVVLDRVKFAQYAEIVHFTL
 PDGTQRSQVLEVAGTKAIVQVFEGTSGIDARKTTCEFTGDILRTPVSEDMLGRVFNNGSKPIDKGPVVM
 AEDFLDINGQPINPHSRIYPEEMIQTGISPIDVMNSIARGQKIPFSAAGLPHNEIAAQICRQAGLVKKS
 KAVLDYHDDNFAIVFAAMGVNMETARFFKSDFEQNGTMGNVCLFLNLANPTIERIITPRLALTTAEFLA
 YQCEKHLVLVILDMSSYAEALREVSAAREEVPGRRGFPGYMYDLATIYERAGRVEGRGGSITQIPILTM
 PNDDITHPIPDLTGFIIEGQIYVDRQLHNRQIYPPINVLPSSLRMLKMSAIGEGMTRKDHGDVSNQLYACY
 AIGKDVQAMKAVVGEEALTSEDLLYLEFLQKFEKNFINQGPYENRSVFESLDLWKLRLRIFPKEMLKRIIP
 QAVIDEFYSREGALQDLAPDIAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001692

ORF Size:

1539 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_001692.3</u>
RefSeq Size:	1956 bp
RefSeq ORF:	1542 bp
Locus ID:	525
UniProt ID:	<u>P15313</u>
Cytogenetics:	2p13.3
MW:	56.8 kDa