

Product datasheet for **MR209449A1V**

Mouse Atp6v1a (NM_007508) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Atp6v1a (NM_007508) AAV Particle
Tag:	Myc-DDK
Symbol:	Atp6v1a
Synonyms:	AI647066; Atp6a1; Atp6a2; Atp6v1a1; VA68; VPP2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>MR209449 representing NM_007508
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGATTCTCCAAGCTACCCAAAATCCGCGATGAGGATAAAGAAAGTACATTTGGTTATGTGCATGGAG
 TCTCAGGGCCTGTGGTTACAGCCTGTGACATGGCGGGCGCTGCCATGTACGAGCTGGTGAGAGTGGGGCA
 CAGCGAGCTGGTTGGAGAAATTATTCGATTGGAAGGTGACATGCCACCATTTCAGGTGTATGAAGAGACT
 TCTGGTGTCTCTGTTGGAGACCCGTAATCCGCACTGGTAAACCTCTCTCGGTCGAGCTGGGTCCCGGA
 TTATGGGAGCCATTTTGGTGTATACAGAGACCTCTGTGGATATCAGCAGTCAGACCCAAAGTATCTA
 CATCCCCAGAGGAGTCAATGTGTCTGCTCTCAGCAGAGATATCAAATGGGAGTTTATACCCAGCAAAAAC
 CTACGGGTTGGTAGTCATATCACTGGTGGAGACATTTATGGGATTGTCAATGAGAACTCCCTCATCAAAC
 ACAAATCATGTTGCCCCACGTAACAGAGGAAGCGTGACTTACATCGCGCCGCTGGGAATTATGATGC
 GTCCGATGTCGTCTGGAGCTTGAGTTGAAGGTGTGAAGGAGAAGTTACAGCATGGTCCAAGTGTGCCT
 GTGCGGAGGTGCGGCCCTGTCACTGAGAAGCTGCCCGCAATCACCCCTTGCTTACTGGCCAGAGAGTCC
 TCGATGCCCTTTCCCGTGTGTTCAAGGAGGAAGTACTGCTATCCAGGCGCCTTTGGCTGTGGAAGAGC
 TGTGATTTCCAGTCTCTATCCAAGTACTCCAACAGTGACGTCATCATCTATGTCGGCTGCGGTGAGAGA
 GGCAACGAGATGTCAGAAGTTCTCCGCGACTTCCCTGAGCTCACCATGGAGGTTGATGGGAAAGTAGAGT
 CCATCATGAAGAGGACAGCGCTGGTAGCCAACACCTCCAACATGCCTGTGGCTGCAAGAGAGGCCCTCCAT
 CTACACTGGAATTACACTATCAGAATATTTCCGTGACATGGGCTACCACGTCAGTATGATGGCGGACTCT
 ACCTCTAGATGGGCTGAGGCCCTCAGAGAAATCTCTGGTCGCTTAGCTGAGATGCCTGCAGATAGTGGAT
 ACCCTGCATACCTTGGTGCCCGGCTGGCTTCTTTCTATGAGCGAGCAGGAGAGTGAAATGTCTTGGA
 CCCTGAGAGAGAAGGGAGTGTACGATTTGAGGAGCAGTTTCTCCACCTGGTGGTGATTTTCTGATCCA
 GTCACCTCTGCAACTCTGGGTATTGTTCAAGGTGTTCTGGGCTTGATAAGAAGTTAGCTCAGCGCAAGC
 ACTTCCCTCTGTCAACTGGCTCATCAGCTACAGCAAGTACATGCGTGCCCTGGACGAGTACTATGACAA
 GCACCTCACGGAGTTTGTCTCTGAGGACCAAGCTAAGGAGATCCTGCAGGAAGAAGAGGATCTGGCA
 GAAATCGTGCAGCTCGTGGGAAAGGCCTCTTAGCAGAGACGGATAAAATCACTCTGGAGGTAGCAAAAC
 TTATTAAGATGACTTCTACAGCAAAATGGGTACACTCCTTATGACAGGTTCTGTCCATTCTACAAGAC
 AGTGGGATGCTGCAACATGATTTTCTTCTATGACATGGCCCGCCGAGCTGTGGAGACCACTGCCAG
 AGTGACAATAAGATCACATGGTCCATTATCCGGGAGCACATGGGGGAGATTCTCTATAAACTCTCTCCA
 TGAAATTCAAGGATCCAGTGAAGATGGCGAGGCAAGATCAAGGCCGACTATGCACAGCTTCTGAAGA
 TATGCAGAATGCATTCGTAGCCTTGAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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MDFSKLPKIRDEKSTFGYVHGVSGPVVTACDMAGAAMYELVRVGHSELVGEIIRLEGDMATIQVYEET
 SGVSVGDPVLRGKPLSVELGPGIMGAIFDGIQRPLSDISSQTQSIYIPRGVNVLSALSRDIKWEFIPSKN
 LRVGSHITGGDIYGINENSLIKHKIMLPPNRGVSITYIAPPGNYDASDVVLELEFEGVKEKFSMVQVWP
 VRQVRPVTEKLPANHLLTGQVLDALFPCVQGGTTAIPGAFGCGKTVISQSLSKYSNSDVIIYVGCGER
 GNEMSEVLDRDFPELTMEVDGKVESIMKRTALVANTSNMPVAAREASIYTGITLSEYFRDMGYHVSMMADS
 TSRWAEALREISGRLEMPADSGYPAYLGARLASFYERAGRVKCLGNPEREGSVSIVGAVSPPGGDFSDP
 VTSATLGIVQVFWGLDKKLAQRKHFPVSNWLISYSKYMRALDEYDKHFTFVPLRTKAKEILQEEEDLA
 EIVQLVGKASLAETDKITLEVAKLIKDDFLQQNGYTPYDRFCPFYKTVGMLSNMISFYDMARRAVETTAQ
 SDNKITWSIIREHMGEILYKLSSMKFKDPVKDGEAKIKADYAQLLEDQMNAFRSLD

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Mouse

Serotype:	AAV-2
ACCN:	NM_007508
ORF Size:	1851 bp
Buffer:	PBS with 0.001% Pluronic F555
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_007508.4</u>
RefSeq Size:	3947 bp
RefSeq ORF:	1854 bp
Locus ID:	11964
UniProt ID:	<u>P50516</u>
Cytogenetics:	16 B4
MW:	68.8 kDa