

Product datasheet for **MR208902A1V**

Mouse Aldh4a1 (NM_175438) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Aldh4a1 (NM_175438) AAV Particle
Tag:	Myc-DDK
Symbol:	Aldh4a1
Synonyms:	A930035F14Rik; Ahd-1; Ahd1; Aldh4; Aldh5a1; E330022C09; P5cd; P5cdh; P5cdhl; P5cdhs; Ssdh1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>MR208902 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCCGCTGCCGTCCGCTCCGCCGATCCCTGCTGTCCACGCCTGGAGGAGCGCTGGGCTGCGATGGA
 AGCACACCTCTTCTCTAAAGGTGGCCAATGAGCCCATCTTAGCATTCTCTCAGGGAAGCCCCGAGCGGA
 TGCACTGCAGAAGGCTCTGAAGGACCTGAAGGCCAGACGGAAGCCATCCCTGCGTTGTCGGGGACGAG
 GAGGTGTGGACCTCCGATATACAGTACCAGTTGTCCGCCCTTAAACCATGCACACAAGGTGGCCAAGTTCT
 GCTATGCTGATAAGGCCTTGCTCAACAGAGCCATCGATGCTGCCTTGGCTGCCAGGAAAGAGTGGGACCT
 GAAGCCCATGGCAGACCGGGCCAGGTCTTCTGAAGGCGGCAGATATGCTGAGTGGGCCCGAAGGGCG
 GAAGTCCTTGCCAAGACCATGGTGGGACAGGGCAAGACCGTGATCCAAGCAGAGATCGATGCTGCAGCCG
 AACTCATCGACTTCTCAGGTTCAACGCAAAGTTCGCCGTGGAAGTGGAGGGGAAACAGCCCATCAGCGT
 GCCACCCAGCACCAACCACCGTGTACCGGGGCTGGAGGGCTTCGTGGCGGCCATCTCTCCCTCAAC
 TTCACCCGGATTGGAGGCAACCTGGCAGGCGCTCCGGCCTTAATGGGCAACGTGGTTCTGTGGAAGCCCA
 GTGACACTGCCATGCTGGCTAGCTACGCCGTCTACCGCATCTCCGGGAGGCCGGCTTGCCCCAACAT
 AATCCAGTTTGTGCCAGCCGACGGGCCAACCTTCGGGGACACAGTACCAGCTCAGAGCACCTTTGTGGC
 ATCAATTTTACAGGCAGTGTCCACCTTCAAACACCTGTGGAGGCAGGTGGCCAGAACCTGGACCGGT
 TCCGTACCTTCCCACGCTTGGCTGGAGAGTGTGGCGGGAAGAATTTCCATTTCTGTCACAGCTCGGCCGA
 CGTGGACAGCGTGGTGGAGCGGACGCTGCGCTCGGCATTCGAGTACGGCGGCCAGAAGTCTCAGCCTGC
 TCGCCCTCTACGTGCCGAAGTCGCTGTGGCCGAGATCAAAGGGCGACTGCTGGAGGAACACAGCAGGA
 TCAAAGTGGGGGATCCTGCAGAGGACTTTGGGACCTTCTCTCCGAGTGATTGATGCCAAGGCCCTTTC
 TCGCATTAAAGAAGTGGTTGGAGCATGCACGTTCTCCGCCAGCCTCAGCATCCTGGCAGGGGGCCAGTGT
 AACGAGTCAGTGGTTACTACGTGGAACCATGTATCATTGAGAGCAAGGACCCACAGGAACCCATCATGA
 AGGAGGAGATCTTCGGTCTGTGTTGACAGTATATGTGTACCCAGATGATAAATACAGAGAGACGCTGAA
 GCTGGTCGACAGCACTACCAGCTATGGCCTCACGGGGCAGTGTTCGCCAGGATAAAGCGATTGTCAG
 GAGGCCACGAGGATGCTGAGGAACGCTGCTGGCAACTTCTACATCAACGATAAGTCTACTGGTCTGTGG
 TGGGCCACGAGCCCTTTGGGGCGCCCGGCCCTCAGGAACCAATGACAAGCCAGGAGTCCCCACTACAT
 CTTACGCTGGACATACCCAGGTCATCAAGGAGACTCATAAGCCCTGGGGACTGGCGATACTCTAC
 ATGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208902 protein sequence
 Red=Cloning site Green=Tags(s)

MLPLPSLRRSLLSHAWRSAGLRWKHTSSLKVANEPILAFSQGSPERDALQKALKDLKGQTEAIPCVVGD
 EVWTSDIQYQLSPFNHAKVAKFCYADKALLNRAIDAALAARKEWDLKPMADRAQVFLKAADMLSGPRRA
 EVLAKTMVGGKTVIQAEIDAAELIDFFRFNAKFAVELEGEQISVPPSTNHTVYRGLGEGFVAIISPFN
 FTAIGGNLAGAPALMGNVVLWKPSDTAMLASYAVYRILREAGLPPNIIQFVPADGPTFGDVTVSSEHLCG
 INFTGSVPTFKHLWRQVAQNDRFRFPRLAGECGGNFHFVHSSADVDSVVSGLRSAFEYGGQKCSAC
 SRLYVPKSLWPQIKGRLLLEHSRIKVGDP AEDFGTFFSAVIDAKAFARIKKWLEHARSSPSLSILAGGQC
 NESVGYVEPCIIESKDPQEPIMKEEIFGPVLTYYVYPDDKYRETLKLV DSTTSYGLTGAVFAQDKAIVQ
 EATRMLRNAAGNFYINDKSTGSVVGQPFGGARASGTNDKPGGPHYILRWTSPQVIKETHKPLGDWRYSY
 MQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Species:

Mouse

Serotype:	AAV-2
ACCN:	NM_175438
ORF Size:	1689 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_175438.3</u> , <u>NP_780647.2</u>
RefSeq Size:	3355 bp
RefSeq ORF:	1689 bp
Locus ID:	212647
UniProt ID:	<u>Q8CHT0</u>
Cytogenetics:	4 70.79 cM
MW:	61.8 kDa