

Product datasheet for **MR208039A1V**

Mouse Aldh1a1 (NM_013467) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Aldh1a1 (NM_013467) AAV Particle
Tag:	Myc-DDK
Symbol:	Aldh1a1
Synonyms:	Ahd-2; Ahd2; Aldh1; Aldh1a2; E1; Raldh1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>MR208039 representing NM_013467
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTCGCCTGCACAACCTGCAGTCCCTGCCCACTGGCCGACTTGAAGATTCAACATACCAAGATCT
 TCATAAACAAATGAATGGCACAATTCAGTGAGCGCAAGAAATTTCCAGTTCCTAACCCCTGCAACTGAGGA
 GGTCATCTGCCACGTGGAAGAAGGGGACAAGGCTGATGTTGACAAAGCTGTGAAGGCTGCAAGACAGGCT
 TTCCAGATTGGCTCTCCATGGCGCACCATGGATGCTTCAGAGAGGGGCCCTGCTGAACAAGCTGGCTG
 ACTTAATGGAGAGAGATCGTCTGCTGCTAGCTACAATGGAGGCACTCAATGGTGGGAAAGTCTTTGCCAA
 TGCATACTTGTGCGATTTAGGAGGCTGCATAAAAGCATTAAAGTACTGTGCAGGCTGGGCTGACAAGATT
 CATGGTCAAACAATACCAAGTATGGAGACATTTTCACTTATACAAGACGTGAACCTATTGGAGTGTGTG
 GCCAAATCATCCCTGGAATTTTCCAATGCTCATGTTTCAATTTGGAAGATAGGCCCTGCCCTTAGCTGTGG
 GAATACCGTGGTTGTCAAGCCAGCAGAGCAAACTCCTCTCACGGCTCTTACCTGGCATCTTTAATAAAA
 GAGGCAGGGTTTCTCTCGCGTGGTAAACATTGTCCCTGGTTATGGGCCAACTGCAGGGGACGCCATCT
 CCTCTCACATGGATGTCGACAAGGTGGCCTTCACTGGATCAACACAGGTTGGCAAGTTAATCAAGGAAGC
 TGCAGGAAAAGCAATCTGAAGAGAGTCACCCTGGAGCTTGGGGGAAAGAGCCCTTGCAATGTGTTTGA
 GATGCCGACTTGGACATTGCTGTTGAGTTTGCACACCATGGAGTGTGTTTATCATCAAGGCCAATGCTGTG
 TCGCAGCATCCCGATTTTGTGAGGAGTCAGTTTATGATGAGTTTGTGAAAAGGAGTGTGAGCGAGC
 TAAGAAATATGTTCTTGGAAATCCTCTGACCCAGGAATAATCAAGGCCCTCAGATTGACAAGGAACAA
 CATGATAAAATACTCGATCTCATTGAGAGTGGGAAGAAAGAGGCCAACTGGAGTGTGGTGGAGGAC
 GCTGGGGGAACAAAGGCTTCTTTGTGCAGCCACAGTGTCTCCAACGTGACTGATGAGATGCGCATTGC
 CAAAGAGGAGATATTTGGACCACTGCAACAAATCATGAAGTTTAAAGTCTGTAGATGATGTGATCAAGAGA
 GCAAACTACTACCTATGGTTTAGCAGCAGGACTCTTCACTAAAGACCTGGATAAGGCCATCACTGTGT
 CATCTGCTCTGCAGGCTGGGGTGGTGTGGGTTAACTGCTATATGATGTTGTGAGCCAGTGCCCTTCGG
 TGGATTCAAGATGTCTGGAAATGGAAGAGAACTGGGTGAACATGGTCTTTATGAATACACTGAGCTCAAG
 ACAGTCGAATGAAGATATCTCAGAAGAACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MSSPAQPAVPAPLADLKIQHTKIFINNEWHNSVSGKKFPVLNPATEEVICHVEEGDKADVDKAVKAARQA
 FQIGSPWRTMDASERGRLLNKLADLMERDRLLLATMEALNGGKVFANAYLSDLGGCIKALKYCAGWADKI
 HGQTIPSDGDIPTYTRREPIGVCQIIPWNFPMLMFIWKIGPALSCGNTVVVKPAEQTPLTALHLASLIK
 EAGFPFGVNIIVPGYGPTAGAAISSHMDVDKVAFTGSTQVGLIKEAAGKSNLKRVTLELGGKSPCIVFA
 DADLDIAVEFAHHGVFYHQGCCVAASRIFVEESVYDEFVKRSVERAKKYVLGNPLTPGINQGPQIDKEQ
 HDKILDILIESGKKEGAKLECGGRWGNKGFFVQPTVFSNVTDDEMRIAKEEIFGPVQQIMKFKSVDDVIKR
 ANNTTYGLAAGLFTKDLDAITVSSALQAGVVWVNCYMLSAQCPFGGFKMSGNGRELGEHGLYEYTELK
 TVAMKISQKNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Mouse

Serotype:

AAV-2

ACCN:

NM_013467

ORF Size:

1503 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_013467.3</u>
RefSeq Size:	2032 bp
RefSeq ORF:	1506 bp
Locus ID:	11668
UniProt ID:	<u>P24549</u>
Cytogenetics:	19 13.91 cM
MW:	54.9 kDa