

Product datasheet for **MR207802A1V**

Mouse Aldh8a1 (NM_178713) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Aldh8a1 (NM_178713) AAV Particle
Tag:	Myc-DDK
Symbol:	Aldh8a1
Synonyms:	Raldh4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>MR207802 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGGAAAAAGGAACTTTTGATGTTGGAGAACTTTATAGGTGGAAAGTTTTTACCCTGTAACATCAT
 ATATAGATTCTTACGATCCATCAACAGGGGAAGTTTATTGCAAAGTTCCAAACAGTGGGAAAGAAGAGAT
 TGAAGCTGCCGTGGAGGCTGCCAGAGAGCCTTCCCTGCCTGGTCATCCCGAGTCCCCAGGAACGTTCT
 CTCGCTCTGAACAGGCTGGTGATGTACTGGAGCAGTCTCTGGAGGAGTTAGCTCAGGCAGAATCTAAAG
 ACCAAGGGAAAAACCTCACGCTGGCAAGGACCATGGACATTCTCGGTCTGTTCTGAACCTCCGTTCTT
 CGCTTCTCCAACCTGCACCACGTATCGGAGTGACACAGATGAGCCACCTGGGTGTATGCATTACACC
 GTTCGACCCCGGTGGGAATTGCTGGTTTGATCAGCCCTTGAATTTACCACTCTACCTGCTGACCTGGA
 AGATAGCTCCGCCATCGCTGCTGGGAATACCGTGATAGCCAAGCCCAGTGAGATGACTTCTGTGACTGC
 CTGGATGTTTTGAACTCTTGATAAAGCAGGTGTCCACCAGGTGTGATCAACATTGTGTTTGAACA
 GGGCCGAGGGTTGGTGAAGCCCTTGTGTCTACCCCGAGGTACCCTTGATCTCGTTCACTGGGAGCCAGC
 CCACAGCTGAACGGATTACCCAGCTCAGTGCCCCCACTGCAAGAAGCTTTCCCTGGAGCTGGGAGGCAA
 GAATCCTGCTATCATCTTTGAGGATGCCAACCTGGAGGAGTGTATCCCGCAACCGTTAGGTCCAGCTTT
 GCTAACCGGGGAGATCTGCCTTTGTACCAAGTAGAATCTTTGTCCAGAGAAGCATCTACAGTGAATTC
 TGAAGAGGTTTGTGAAGCTACCAGAAAGTGGAAAGTTGGTGTCTTCTGACCCATCAGCCAACATGGG
 TGCTCTGATAAGCAAAGCACATTTGGAGAAAGTGAAGTTATGTCTTGAAGCTCAGACTGAGGGTGCC
 CGGATTCTCTGTGGTGAAGGTGTGGACCACTGAGCCTTCCACTCAGGAACAGGCAGGCTACTTCATGC
 TTCCCACGGTGATAACAGACATTAAGGATGAGTCCCGCTGCATGACGGAAGAGATCTTTGGTCCAGTGAC
 GTGTGTTGTTCCGTTTGATAGTGAAGAGGAAGTATTACGAGAGCTAACAGTGTTAGATACGGGCTGGCA
 GCCACAGTGTGGTCCAAGGATGTGGGGCGCATCCACAGGTAGCTAAGAAGCTTCAGTCGGGGCTGGTCT
 GGACCAACTGCTGGCTCATCAGGGAGCTGAACCTGCCCTTTGGAGGGATGAAGAGCTCTGGAATAGGAAG
 AGAAGGAGCCAAGGACTCATATGACTTCTTTACTGAAATAAAAACCATTAACATTAAATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207802 protein sequence
 Red=Cloning site Green=Tags(s)

MAGKRELLMLENFIGGKFLPCNSYIDSYDPSTGEVYCKVPNSGKEEIEAAVEAAREAFPWSSRSPQERS
 LVLNRLADVLEQSLLELAQAESKDQKTLTLARTMDIPRSVLNFRFFASSNLHHVSECTQMSHLGCMHYT
 VRTPVGIAGLISPWNPLPYLLTWKIAPAIAAGNTVIAKPSEMTSVTAWMFCKLLDKAGVPPGVINIVFGT
 GPRVGEALVSHPEVPLISFTGSQPTAERITQLSAPHCKKLSLELGKNPAIIFEDANLEECIPATVRSSF
 ANQGEICLCTSRIFVQRSIYSEFLKRFVEATRKWKVGVPSPSANMGALISKAHLEKVRSYVLKAQTEGA
 RILCGEGVDQLSLPLRNQAGYFMLPTVITDIKDESRCMTTEEIFGPVTCVVPFDSEEEVITRANSVRYGLA
 ATVWSKDVGRIHRVAKKLQSGLVWNTNWLIRELNLPFGGMKSSGIGREGAKDSYDFFTEIKTITIKY

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Mouse

Serotype:

AAV-2

ACCN:

NM_178713

ORF Size:

1461 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_178713.4</u>
RefSeq Size:	2243 bp
RefSeq ORF:	1464 bp
Locus ID:	237320
UniProt ID:	<u>Q8BH00</u>
Cytogenetics:	10 A3
MW:	53.7 kDa