

Product datasheet for **MR227687A1V**

Mouse Aldh5a1 (NM_172532) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Aldh5a1 (NM_172532) AAV Particle
Tag:	Myc-DDK
Symbol:	Aldh5a1
Synonyms:	6330403E24Rik; Ahd-1; Ahd1; D630032B01Rik; OTTMUSG00000000613; SSADH; Ssdh1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>MR227687 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACCTGCTTTCTGCTGCGGAGCTTCTGGCCGCGCGTCTGCGCTGCCGCTCCCGGCCGCTTCC
 GCCCGGAGCCCGCAGGAACCCCGCGCGCAGCTACGCCAGCGGCCCTGGGGCCCTCCACGCCGACCTACT
 CCGCGGGGACAGCTTCGTGGCGGCCGCTGGCTCCCAGCCCCGCCACCTTCCCGGTGTACGACCCGCCC
 AGCGGCGCAAGCTGGGCACCGTGGCCGACTGCGGGGTACCCGAGGCCGCGCTGCTGTGCGCGCCGCT
 ACGATGCCTTCAACAGCTGAAAAGGGTCTCGGTCAAGGAGAGGAGCTTACTACTCCGTAATGGTACGA
 CTTAATGATACAAAATAAGGACGACCTTGCCAAGATCATAACAGCCGAGAGTGGAAAGCCACTGAAAGAG
 GCCCAGGGAGAAATTCGTATTCAGCCCTTTCTGGAGTGGTCTCAGAGGAAGCTCGCCGATTTATG
 GAGACATCATCTATACCTTGCCAAAGATAAGCGAGGGCTAGTCTCAAGCAGCCGTTGGTGTGGCGGC
 CATCATCACACCGTGAATTTTCCAGTGCATGATCACCCGAAAGTGGGGCCGCTTGGCAGCTGGC
 TGCAGTGTGGTGAACCTGCTGAAGACACACCCTATTCGCCCTGGCCCTGGCTCAGCTTGCAAACC
 AGGCGGAATCCCTGCAGGTGTCTACAACGTCATTCCCTGCTCTAGAAAACAAGGCCAAGGAAGTGGGAGA
 GGTCTGTGTACCGATCCATTGGTGTCCAAAATTTCTTTACTGGCTCAACAGCAACGGGAAAGATCCTG
 CTACATCACGCAGCAAATTCGTGAAGCGTGTCCATGGAGTTGGTGGCCCTCGCCCCATTCATTGTCT
 TTGACAGTGCCAAACGTAGACCAGGCCGTCGCGGGGCAATGGCGTCTAAATTTAGGAATGCTGGGAGAC
 TTGCGTTTGTCAAACAGATTCCTGGTACAGCGGGGTATCCACGATTCCTTTGTAAAGAAATTTGCGGAA
 GCCATGAAGAAAAGCCTGCGTGTAGGTAACGGATTTGAGGAAGGAACACTCAAGGGCCGTTAATTAATG
 AGAAAGCTGTAGAAAAGGTAGAGAAGCAGGTGAATGACGCAAGTGCCTAAAGGGGCCACGGTTGTACGGG
 CGGAAAGCGACACCAAAGTGGAGGAAATTTCTTTGAGCCACCCTGCTCAGCAATGTACCAGGGACATG
 CTCTGCATCACTGAGGAGACCTTTGGACCTCTGGCACCAGTCATCAAGTTTGATAAGGAGGAAGAGGCCG
 TCGCCATCGCAAATGCAGCTGAGGTTGGATTGGCAGGTTACTTTACTCTCAAGACCCGCCCAGATCTG
 GAGAGTGGCGGAGCAGCTGGAGGTGCGCATGGTGGTGTGAATGAAGGGCTCATCTTTCAGTGAATGT
 CCTTTTGGTGGGTGAAACAGTCCGGCCTTGGCGCGAGGGGTCCAAGTATGGCATTGACGAGTACCTAG
 AGGTCAAGTATGTGTGTACGGAGGCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227687 protein sequence
 Red=Cloning site Green=Tags(s)

MATCFLLRSFWAARPALPPPGRFRPEPAGTPRRSYASGPGGLHADLLRGDSFVGGRWLPAPATFPVYDPA
 SGAKLGTVADCGVPEARAARAAVDFAFNSWKGVSVKERSLLLKRWYDLMIQNKDDLAKIITAESGKPLKE
 AQGEILYSALFLEWFSEEARRIYGDIIYTSAKDKRGLVLKQPVGVAAIITPWNFPSAMITRKVGAALAAG
 CTVVVKPAEDTPYSALALANQAGIPAGVYINVIPCSRNKAKEVGEVLCTDPLVSKISFTGSTATGKIL
 LHHAANSVKRVSMELGGLAPFIVFDSANVDQAVAGAMASKFRNAGQTCVCSNRFLVQRGIHDSFVTKFAE
 AMKKSRLRVNGFEEGTTQGPLINEKAVEKVEKQVNDAAVAKGATVVTGGKRHQSGGNFFPEPTLLSNVTRDM
 LCITEETFGLAPVIKFDKEEEAVAIANAEEVGLAGYFYSQDPAQIWRVAEQLEVGMVGVNEGLISSVEC
 PFGGVKQSGLGREGSKYGIDEYLEVKYVCYGG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Mouse

Serotype:

AAV-2

ACCN:

NM_172532

ORF Size:

1572 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_172532.3</u> , <u>NP_766120.1</u>
RefSeq Size:	5647 bp
RefSeq ORF:	1572 bp
Locus ID:	214579
UniProt ID:	<u>Q8BWF0</u>
Cytogenetics:	13 10.77 cM
MW:	56 kDa