

Product datasheet for **RC228933A1V**

Human ALDH4A1 (NM_001161504) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALDH4A1 (NM_001161504) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH4A1
Synonyms:	ALDH4; P5CD; P5CDh
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC228933 representing NM_001161504
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGCCATCCCATGCGTGGTGGGGATGAGGAGGTGTGGACGTCGGACGTGCAGTACCAAGTGTCCG
 CTTTTAACCATGGACATAAGGTGGCCAAGTTCGTTATGCAGACAAGAGCCTGCTCAACAAAGCCATTGA
 GGCTGCCTGGCTGCCCGAAAAGAGTGGGACCTGAAGCCTATTGCAGACCGGGCCAGATCTTCCTGAAG
 GCGGCAGACATGCTGAGTGGGCCGCGCAGGGCTGAGATCCTCGCCAAGACCATGGTGGGACAGGGTAAGA
 CCGTGATCCAAGCGGAGATTGACGCTGCAGCGGAACCTCATCGACTTCTTCGGTTCAATGCCAAGTATGC
 GGTGGAGCTGGAGGGCAGCAGCCATCAGCGTGCCCCGAGCACCAACAGCACGGTGTACCGGGTCTG
 GAGGGTTCGTGGCGCCATCTCGCCCTTAACTTCACTGCAATCGCGGCAACCTGGCGGGGGCACCGG
 CCCTGATGGGCAACGTGGTCTATGGAAGCCAGTGACACTGCCATGCTGGCCAGCTATGCTGTCTACCG
 CATCCTTCGGGAGGCTGGCTGCCCCCAACATCATCCAGTTTGTGCCAGCTGATGGGCCCTATTTGGG
 GACTGTCAACAGCTCAGAGCACCTCTGTGGCATCAACTTCACAGGCAGTGTGCCACCTTCAAACACC
 TGTGGAAGCAGGTGGCCAGAACCTGGACCGGTTCCACACCTTCCACGCTGGCTGGAGAGTGGCGCGG
 AAAGAACTTCCACTTCGTGCACCGCTCGGCCGACGTGGAGAGCGTGGTGGAGCGGGACCCTCCGCTCAGCC
 TTCGAGTACGGTGGCCAGAAGTGTCCGCGTCTCGCGTCTCTACGTGCCGCACTCGCTGTGGCCGAGA
 TCAAAGGGCGGCTGTGGAGGAGCACAGTCGGATCAAAGTGGGCGACCCTGCAGAGGATTTTGGGACCTT
 CTTCTCTCAGTGATTGATGCCAAGTCTTTGCCCGTATCAAGAAGTGGCTGGAGCACGCAGCTCCTCA
 CCCAGCCTCACCATCTGGCCGGGGCAAGTGTGATGACTCCGTGGGCTACTTTGTGGAGCCCTGCATCG
 TGGAGCAAGGACCCTCAGGAGCCCATCATGAAGGAGGAGATCTTCGGGCTGTACTGTCTGTGTACGT
 CTACCCGGATGACAAGTACAAGGAGACGCTGCAGCTGGTTGACAGCACCAACAGCTATGGCTCACGGGG
 GCAAGTGTCTCCAGGATAAAGGACGTCGTGCAGGAGGCCACAAAGGTGCTGAGGAATGCTGCCGGCAACT
 TCTACATCAACGACAAGTCCACTGGCTCGATAGTGGGCCAGCAGCCCTTTGGGGGGCCCGAGCCTCTGG
 AACCAATGACAAGCCAGGGGGCCACACTACATCTCGCTGGACGTGCCCGCAGGTCATCAAGGAGACA
 CATAAGCCCCTGGGGACTGGAGCTACGCGTACATGCAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228933 representing NM_001161504
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MEAIPCVVGDEEVWTSVQYQVSPFNHGHKVKAFYADKSLLNKAIEAALAARKEWDLKPIADRAQIFLK
 AADMLSGPRRAEILAKTMVGQKTVIQAEIDAAAEIDFFRFNAKYAVELEGQQPISVPPSTNSTVYRGL
 EGFVAIISPFNFITAIGGNLAGAPALMGNVVLWKPSTAMLASYAVYRILREAGLPPNIIQFVPADGPLFG
 DTVTSSSEHLCGINFVPTFKHLWKQVAQNDRFHFPRLAGECGGKNFHFVHRSADVESVVSGLTRSA
 FEYGGQKCSACSRLYVPHSLWPQIKGRLLLEHSRIKVGDPEDFGTFFSAVIDAKSFARIKKWLEHARSS
 PSLTILAGGKCDSDVGYFVEPCIVESKDPQEPIMKEEIFGPVLSVYVYPPDDKYKETLQLVDSTTSYGLTG
 AVFSQDKDVVQEATKVLRNAAGNFYINDKSTGSIYVQVQPFGGARASGTNDKPGPHYILRWTSQVIKET
 HKPLGDWSYAYMQ

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001161504

ORF Size:

1509 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_001161504.1</u> , <u>NP_001154976.1</u>
RefSeq Size:	3259 bp
RefSeq ORF:	1512 bp
Locus ID:	8659
UniProt ID:	<u>P30038</u>
Cytogenetics:	1p36.13
MW:	55.1 kDa