

Product datasheet for **RC200723A1V**

Human ALDH1A1 (NM_000689) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALDH1A1 (NM_000689) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH1A1
Synonyms:	ALDC; ALDH-E1; ALDH1; ALDH11; HEL-9; HEL-S-53e; HEL12; PUMB1; RALDH1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC200723 representing NM_000689
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCATCCTCAGGCACGCCAGACTTACCTGTCTACTACCGATTTGAAGATTCATATACTAAGATCT
 TCATAAACAAATGAATGGCATGATTCAGTGAGTGGCAAGAAATTTCTGTCTTTAATCCTGCAACTGAGGA
 GGAGCTCTGCCAGGTAGAAGAAGGAGATAAGGAGGATGTTGACAAGGCAGTGAAGGCCGCAAGACAGGCT
 TTTCAGATTGGATCCCCGTGGCGTACTATGGATGCTTCCGAGAGGGGGCGACTATTATACAAGTTGGCTG
 ATTTAATCGAAAGAGATCGTCTGCTGCTGGCGACAATGGAGTCAATGAATGGTGGAAACTCTATTCCAA
 TGCATATCTGAATGATTTAGCAGGCTGCATCAAAACATTGCGCTACTGTGCAGTTGGGCTGACAAGATC
 CAGGGCCGTACAATACCAATTGATGGAAATTTTTTACATATACAAGACATGAACCTATTGGTGTATGTG
 GCCAAATCATTCTTGAATTTCCCGTTGGTTATGCTCATTTGGAAGATAGGGCCTGCACTGAGCTGTGG
 AAACACAGTGGTTGTCAAACAGCAGAGCAAACTCCTCTCACTGCTCTCCACGTGGCATCTTTAATAAAA
 GAGGCAGGTTTCTCTCGAGTAGTGAATATTGTTCTGGTTATGGGCCTACAGCAGGGGCGAGCCATTT
 CTTCTCACATGGATATAGACAAAGTAGCCTTCACAGGATCAACAGAGGTTGGCAAGTTGATCAAAGAAGC
 TGCCGGGAAAAGCAATCTGAAGAGGGTGACCCTGGAGCTTGGAGGAAAGAGCCCTTGATTGTGTAGCT
 GATGCCGACTTGGACAATGCTGTTGAATTTGCACACCATGGGGTATTCTACCACAGGGCCAGTGTGTGA
 TAGCCGCATCCAGGATTTTGTGGAAGAATCAATTTATGATGAGTTTGTTCGAAGGAGTGTGAGCGGGC
 TAAGAAGTATATCCTTGGAAATCCTCTGACCCAGGAGTCACTCAAGGCCCTCAGATTGACAAGGAACAA
 TATGATAAAATACTTGACCTCATTGAGAGTGGGAAGAAAGAGGGCCAACTGGAATGTGGAGGAGGCC
 CGTGGGGGAATAAAGGCTACTTTGTCCAGCCACAGTGTCTCTAATGTTACAGATGAGATGCGCATTGC
 CAAAGAGGAGATTTTGGACCAAGTGCAGCAAAATCATGAAGTTTAAATCTTTAGATGACGTGATCAAAAGA
 GCAAAACAATACTTTCTATGGCTTATCAGCAGGAGTGTTCACAAAGACATTGATAAAGCCATAACATCT
 CCTCTGCTCTGCAGGCAGGAACAGTGTGGGTGAATTGCTATGGCGTGGTAAGTGCCAGTGCCCTTTGG
 TGGATTCAAGATGTCTGGAAATGGAAGAGAAGTGGAGAGTACGGTTTCCATGAATATACAGAGGTCAAA
 ACAGTCACAGTGAAAATCTCTCAGAAGAACTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MSSSGTPDLPVLLTDLKIYTKIFINNEWHDSVSGKKFPVFNPAEEELCQVEEGDKEDVDKAVKAARQA
 FQIGSPWRTMDASERGRLLYKLADLIERDRLLLATMESMNGGLYSNAYLNDLAGCIKTLRYCAGWADKI
 QGRTIPIDGNFFTYTRHEPIGVCGQIIPWNFPLVMLIWKIGPALSCGNTVVVKPAEQTPLTALHVASLIK
 EAGFPFGVNIIVPGYGPTAGAAISSHMDIDKVAFTGSTEVGKLKEAAGKSNLKRVTLELGGKSPCIVLA
 DADLDNAVEFAHHGVFYHQGCCIAASRIFVEESIYDEFVRRSVERAKKYILGNPLTPGVTQGPQIDKEQ
 YDKILDLESKGKEGAKLECGGPGWGNKGYFVQPTVFSNVTDDEMRIAKEEIFGPVQQIMKFKSLDDVIKR
 ANNTFYGLSAGVFTKIDKAITISSALQAGTVWVNCYGVVSAQCPFGGFKMSGNGRELGEYGFHEYTEVK
 TVTVKISQKNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000689

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_000689.3</u>
RefSeq Size:	2116 bp
RefSeq ORF:	1506 bp
Locus ID:	216
UniProt ID:	<u>P00352</u>
Cytogenetics:	9q21.13
MW:	54.7 kDa