

Product datasheet for **RC213029A1V**

Human **ALDH8A1 (NM_022568)** AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALDH8A1 (NM_022568) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH8A1
Synonyms:	ALDH12; DJ352A20.2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC213029 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGGAACAAACGCACCTTTTGATGTGAAAACTTCATAGATGAAAAATTTTACCTTGTAGCTCAT
 ATATAGATTCTTACGACCCATCAACAGGGGAAGTGATTGCAGAGTGCCAAATAGTGAAAAAGACGAGAT
 CGAAGCCCGGGTCAAGGCCGCCAGAGAAGCCTTTCCAGCTGGTCATCCCGCAGCCCCAGGAGCGCTCA
 CGGGTCTGAACAGGTGGCGGATTTGCTGGAGCAGTCCCTGGAGGAGTTGCCAGGCCGAGTCTAAAG
 ACCAAGGGAAAACCTTAGCACTGGCAAGAACCATTGGACATTCCTCGGTCTGTGCAGAACTTCAGTTCTT
 CGCTTCTCCAGCCTGCACCACAGTCAGAGTGCACGCAGATGGACCCTGGGTGCATGCACTACACG
 GTGCGGGCCCCGGTGGGAGTCTGCTGGTCTGATCAGCCCTGGAATTTGCCACTCTACTTGTGACCTGGA
 AGATAGCTCCAGCGATGGCTGCAGGGAACACTGTGATAGCCAAGCCCAGTGAGCTGACTTCAGTGACTGC
 GTGGATGTTGTCAAACCTCTGGATAAAGCAGGTGTTCCACCAGGTGTGGTCAATATTGTGTTTGAACC
 GGGCCAGGGTGGGTGAGGCCCTGGTGTCCACCCAGAGGTGCCCTGATCTCCTTCACCGGGAGCCAGC
 CCACCGCTGAGCGGATCACCCAGCTGAGCGCTCCCACTGCAAAAAGCTCTCCTGGAGCTGGGGGGCAA
 GAATCCTGCCATCATCTTTGAGGACGCCAACCTGGATGAGTGCATTCCGGCAACCGTCAGGTCCAGCTTT
 GCCAACCGGGTGAATCTGTCTCTGTACCAGCAGGATCTTTGTCCAGAAGAGCATCTATAGTGAATTTT
 TAAAGAGATTTGTAGAAGCTACCAGAAAGTGAAAGTCGGCATTCCTCTGATCCACTGGTGAGCATAGG
 TGCTCTGATAAGTAAAGCACATTTGGAGAAAGTCAGAAATTACGTCAAGAGAGCTCTTGCTGAAGGTGCC
 CAAATTTGGTGGGTGAGGGAGTGATAAGTTGAGCCTCCCTGCCAGGAACAGGCAGGCTACTTTATGC
 TTCCCACGGTGATAACAGACATTAAGGATGAATCCTGCTGCATGACGGAAGAGATATTTGGTCCAGTGAC
 GTGTGTGTCCTCCCTTTGATAGTGAAGAGGAGGTGATTGAAAGAGCCAACAACGTTAAGTATGGGCTGGCG
 GCTACCGTGTGGTCCAGCAATGTGGGGCGCTCCACCGGTGGCTAAGAAGCTGCAGTCTGGCTTGGTCT
 GGACCAACTGCTGGCTCATCAGGGAGCTGAACCTTCTTTTGGGGGGATGAAGAGTTCTGGAATAGGTAG
 AGAGGGAGCCAAGGACTTTACGACTTCTTCACTGAGATCAAAACCATCACCGTTAAACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213029 protein sequence
 Red=Cloning site Green=Tags(s)

MAGTNALLMLENFIDGKFLPCSSYIDSYDPSTGEVYCRVPNSGKDEIEAAVKAAREAFPSWSSRSPQERS
 RVLNQVADLLEQSLLEFAQAESKDQKTLALARTMDIPRSVQNFRFFASSSLHHTSECTQMDHLGCMHYT
 VRAPVGAGLISPWNPLPYLLTWKIAPAMAAGNTVIAKPSELTSVTAWMLCKLLDKAGVPPGVVNIIVFGT
 GPRVGEALVSHPEVPLISFTGSQPTAERITQLSAPHCKKLSLELGKNPAIIFEDANLDECIPATVRSSF
 ANQGEICLCTSRIFVQKSIYSEFLKRFVEATRKWKVGIPSDPLVSIGALISKAHLEKVRYSYVKRALAEGA
 QIWCGEVVDKLSLPARNQAGYFMLPTVITDIKDESCMTEEIFGPVTCVVPFDSEEEVIERANNVKYGLA
 ATVWSSNVGRVHRVAKKLQSGLVWNTCNWLIRELNLPGGMKSSGIGREGAKDSYDFFTEIKTITVKH

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_022568

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_022568.2</u>
RefSeq Size:	2567 bp
RefSeq ORF:	1464 bp
Locus ID:	64577
UniProt ID:	<u>Q9H2A2</u>
Cytogenetics:	6q23.3
MW:	53.4 kDa