

Product datasheet for **RC209656A1V**

Human **ALDH1A3** (NM_000693) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALDH1A3 (NM_000693) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH1A3
Synonyms:	ALDH1A6; ALDH6; MCOP8; RALDH3
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC209656 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCACCGCTAACGGGGCCGTGGAACCGGGCAGCCGACAGGAAGCCGCGGCCCTGCCGCGCCCCA
 TCCGCAACCTGGAGGTCAAGTTCAACAAGATATTTATCAACAATGAATGGCAGCAATCCAAGAGTGGGAA
 AAAGTTTGCTACATGTAAACCTTCAACTCGGGAGCAAATATGTGAAGTGAAGAAGGAGATAAGCCCGAC
 GTGGACAAGGCTGTGGAGGCTGCACAGGTTGCCTTCCAGAGGGGCTCGCCATGGCGCCGGCTGGATGCC
 TGAGTCGTGGGCGGCTGCTGCACAGCTGGTGACCTGGTGGAGAGGGACCGCGCCACCTTGGCCGCCCT
 GGAGACGATGGATACAGGAAGCCATTTCTTCATGCTTTTTTCATCGACCTGGAGGGCTGTATTAGAACC
 CTCAGATACTTTGCAGGTGGGAGACAAAATCCAGGGCAAGACCATCCACAGATGACAACGTCGTGT
 GCTTCACAGGCATGAGCCATTGGTGTCTGTGGGGCCATCACTCCATGGAACCTCCCCCTGCTGATGCT
 GGTGTGAAGCTGGCACCAGCCCTCTGCTGTGGGAACACCATGGTCTGAAGCCTGCGGAGCAGACACCT
 CTCACCGCCCTTATCTCGGCTCTCTGATCAAAGAGGCCGGGTTCCCTCCAGGAGTGGTGAACATTGTGC
 CAGGATTCGGGCCCACAGTGGGAGCAGCAATTTCTTCTCACCCCTCAGATCAACAAGATCGCCTTACCCG
 CTCCACAGAGGTTGGAACCTGGTTAAAGAAGCTGCGTCCCGGAGCAATCTGAAGCGGGTGACGTGGAG
 CTGGGGGGGAAGAACCCTGCATCGTGTGTGCGGACGCTGACTTGGACTTGGCAGTGGAGTGTGCCCATC
 AGGGAGTGTCTTCAACCAAGGCCAGTGTGACGGCAGCCTCCAGGGTGTTCGTGGAGGAGCAGGTCTA
 CTCTGAGTTTGTGAGCGGAGCGTGGAGTATGCCAAGAAACGGCCCGTGGGAGACCCCTTCGATGTCAA
 ACAGAACAGGGGCCTCAGATTGATCAAAAGCAGTTCGACAAAATCTTAGAGCTGATCGAGAGTGGGAAGA
 AGGAAGGGGCCAAGCTGGAATGCGGGGGCTCAGCATGGAAGACAAGGGGCTCTTCATCAAAACCACTGT
 CTTCTCAGAAGTCACAGACAACATGCGGATTGCCAAAGAGGAGATTTTCGGGCCAGTGCAACCAATACTG
 AAGTTCAAAAGTATCGAAGAAGTGATAAAAGAGCGAATAGCACCAGTATGGACTCACAGCAGCCGTGT
 TCACAAAAATCTCGACAAAGCCCTGAAGTTGGCTTCTGCCTTAGAGTCTGGAACGGTCTGGATCAACTG
 CTACAACGCCCTCTATGCACAGGCTCCATTTGGTGGCTTTAAATGTCAGGAAATGGCAGAGAAGTAGGT
 GAATACGCTTTGGCCGAATACACAGAAGTGAACCTGTACCATCAAACCTGGCGACAAGAACCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209656 protein sequence
 Red=Cloning site Green=Tags(s)

MATANGAVENGQPDKPALPRPIRNLEVKFTKIFINNEWHESKSGKKFATCNPSTREQICEVEEGDKPD
 VDKAVEAAQVAFQRGSPWRRLDALSRGRLLHQLADLVERDRATLAALETMDTGKPFLLHAFFIDLEGCI
 LRYFAGWADKIQGKTIPTDDNVVCFTRHEPIGVCGAITPWNFPLMLVWKLAPALCCGNTMVLKPAEQTP
 LTALYLGSLLIKEAGFPFGVNIIPGFGPTVGAAISSHPQINKIAFTGSTEVGKLVEAASRSNLKRVTL
 LGGKNPCIVCADADLDAVECAHQGVFFNQGCCTAASRVFVEEQVYSEFVRRSVEYAKKRPVGDVDFK
 TEQGPQIDQKQFDKILELIESGKKEGAKLECGGSAMEDKGLFIKPTVFSEVTDNMRIAKEEIFGPVQPI
 LKFKSIEEVIKRNSTDYGLTAAVFTKNLDKALKLASALESQVWVWVWVWVWVWVWVWVWVWVWVWVWV
 EYALAEYTEVKTVTIKLGDKNP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000693

ORF Size:

1536 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:	NM_000693.1
RefSeq Size:	3622 bp
RefSeq ORF:	1539 bp
Locus ID:	220
UniProt ID:	P47895
Cytogenetics:	15q26.3
MW:	56.1 kDa