

Product datasheet for **RC202440A1V**

Human **ALDH3A1 (NM_000691)** AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALDH3A1 (NM_000691) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH3A1
Synonyms:	ALDH3; ALDHIII
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC202440 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

 ATGAGCAAGATCAGCGAGGCCGTGAAGCGCGCCCGCGCCCTTCAGCTCGGGCAGGACCCGTCCGCTGC
AGTTCCGGATCCAGCAGCTGGAGGCGCTGCAGCGCCTGATCCAGGAGCAGGAGCAGGAGCTGGTGGGCGC
GCTGGCCGACAGCTGCACAAGAATGAATGGAACGCCTACTATGAGGAGGTGGTGTACGTCTAGAGGAG
ATCGAGTACATGATCCAGAAGCTCCCTGAGTGGCGCGGATGAGCCCGTGGAGAAGACGCCAGACTC
AGCAGGACGAGCTCTACATCCACTCGGAGCCACTGGGCGTGGTCTCGTCATTGGCACCTGGAATACCC
CTTCAACCTCACCATCCAGCCCATGGTGGGCGCCATCGCTGCAGGGAACGCAGTGGTCTCAAGCCCTCG
GAGCTGAGTGAGAACATGGCGAGCCTGCTGGCTACCATCATCCCCAGTACCTGGACAAGGATCTGTACC
CAGTAATCAATGGGGTGTCCCTGAGACCACGGAGCTGCTCAAGGAGAGGTTGACCATATCCTGTACAC
GGGCGACACGGGGTGGGAAGATCATCATGACGGCTGCTGCCAAGCACCTGACCCCTGTACGCTGGAG
CTGGGAGGGAAGAGTCCCTGCTACGTGGACAAGAACTGTGACCTGGACGTGGCCTGCCGACGCATCGCCT
GGGGGAATTCATGAACAGTGGCCAGACCTGCGTGGCCCCAGACTACATCCTCTGTGACCCCTCGATCCA
GAACCAAATTGTGGAGAAGCTCAAGAAGTCACTGAAAGAGTTCTACGGGAAGATGCTAAGAAATCCCGG
GACTATGGAAGAATCATTAGTCCCCGCGCACTTCCAGAGGGTGTGGGCGCTGATTGAGGGCCAGAAGGTGG
CTTATGGGGGACCGGGGATGCCGCCACTCGCTACATAGCCCCCACCATCCTCACGGACGTGGACCCCCA
GTCCCCGGTGATGCAAGAGGAGATCTTCGGGCTGTGCTGCCATCGTGTGCGTGCAGCAGCTGGAGGAG
GCCATCCAGTTCATCAACCAGCGTGAGAAGCCCTGGCCCTCTACATGTTCTCCAGCAACGACAAGGTGA
TTAAGAAGATGATTGCAGAGACATCCAGTGGTGGGGTGGCGGCCAACGATGTATCGTCCACATCACCTT
GCACTCTCGCCCTTCGGGGCGGTGGGGAACAGCGGCATGGGATCCTACCATGGCAAGAAGAGCTTCGAG
ACTTTCTCTACCGCCGCTCTTGCTGCTGAGGCTCTGATGAATGATGAAGGCTGAAGGTGAGATACC
CCCCGAGCCCGCCAAGATGACCCAGCAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202440 protein sequence

Red=Cloning site Green=Tags(s)

 MSKISEAVKRRAAFSSGRTRPLQFRIQQLEALQRLIQEQEQELVGALAADLHKNEWNAYYEEVVVLEE
IEYMIQKLPEWAADPEVEKTPQTQQDELYIHSEPLGVVLVIGTWNYPNLTIQPMVGAIAGNAVVLKPS
ELSENMASLLATIIPQYLDKDLYPVINGGVPETTELLKERFDHILYTGSTGVGKIIMTAAAKHLTPVTLE
LGKSPCYVDKNCDLVACRRIAWGKFMNSGQTCVAPDYILCDPSIQNQIVEKLKSLKEFYGEDAKKSR
DYGRIISARHFQRMGLIEGQKVAYGGTGAATRYIAPTILTDVDPQSPVMQEEIFGPVLPIVCVRSLEE
AIQFINQREKPLALYMFSSNDKVIKKMIAETSSGVAANDVIVHITLHSLPFGGVGNSMGSYHGKKSFE
TFSHRRSCLVRPLMNDEGLKVRYPPSPAKMTQH

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000691

ORF Size:

1359 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_000691.3</u>
RefSeq Size:	1794 bp
RefSeq ORF:	1362 bp
Locus ID:	218
UniProt ID:	<u>P30838</u>
Cytogenetics:	17p11.2
MW:	50.4 kDa