

Product datasheet for **RC223398A1V**

Human Aldehyde dehydrogenase 10 (ALDH3A2) (NM_000382) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Aldehyde dehydrogenase 10 (ALDH3A2) (NM_000382) AAV Particle
Tag:	Myc-DDK
Symbol:	Aldehyde dehydrogenase 10
Synonyms:	ALDH10; FALDH; SLS
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC223398 representing NM_000382
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTCGAAGTCCGGCGGGTCCGACAGGCGTTCTGTCCGGCCGGTCGCGACCTCTCGGTTTCGGC
 TGCAGCAGCTGGAGGCCCTGCGGAGGATGGTGCAGGAGCGGAGAAGGATATCCTGACGCCATCGCCGC
 CGACCTGTGCAAGAGTGAATTCAATGTGTACAGTCAGGAAGTCATTACTGTCTTGGGGAAATTGATTTT
 ATGCTTGAGAATCTTCTGAATGGGTTACTGCTAAACCAGTTAAGAAGAACGTGCTCACCATGCTGGATG
 AGGCCTATATTCAGCCACAGCCTCTGGGAGTGGTGTGATAATCGGAGCTTGAATTACCCCTTCGTTCT
 CACCATTAGCCACTGATAGGAGCCATCGTCGAGGAAATGCTGTGATTATAAAGCCTTCTGAAGTGTG
 GAAATACAGCCAAGATCTTGGCAAAGCTTCTCCCTCAGTATTTAGACCAGGATCTCTATATTGTTATTA
 ATGGTGGTGTGAGGAAACACGAGCTCCTGAAGCAGGATTTGACCACATTTCTATACGGGAAACAC
 TGGCGTTGGCAAATGTGATGAAGCTGCTGCCAAGCATCTGACCCCTGTGACTCTTGAAGTGGGAGGG
 AAAAGTCCATGTTATATTGATAAAGATTGTGACCTGGACATTGTTTGCAGACGCATAACCTGGGGAAAT
 ACATGAATTGTGGCAAACCTGCATTGCACCCGACTATATTCTGTGAGCATCCCTCCAAATCAAAT
 TGTATGGAAGATTAAGGAAACAGTGAAGGAATTTATGGAGAAATATAAAGAGTCTCCTGATTATGAA
 AGGATCATCAATCTTCGTCATTTTAAGAGGATACTAAGTTTGCTTGAAGGACAAAAGATAGCTTTTGGT
 GGGAGACTGATGAGGCCACACGCTACATAGCCCCAACGTAAGTACCGATGTTGATCCTAAACCAAGGT
 GATGCAAGAAGAAATTTTGGACCAATCTTCCAATAGTGCTGTGAAAAATGTAGATGAGGCCATAAAT
 TTCATAAATGAACGTGAAAAGCCTCTGGCTCTTTATGTATTTTCGCATAACCATAAGCTCATCAACGGA
 TGATTGATGAGACATCCAGTGGAGGTGTCACAGGCAATGACGTATTATGCACTTCACGCTCAACTCTTT
 CCCATTTGGAGGAGTGGGTTCCAGTGGGATGGGAGCTTATCACGGAACATAGTTTTGATACTTTTTCT
 CATCAGCGTCCCTGTTTATTAAGAGTTTAAAGAGAGAAGGTGCTAACAACTCAGATATCCTCCCAACA
 GCCAGTCAAAGGTGGATTGGGAAATTTTCTCTTGAACGTTCAACAAAGAAAACTCGGTCTCTCT
 GTTGCTCACTTCTGGGTATTGTAGCCGCTGTGCTTGTCAAGGCAGAATATTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223398 representing NM_000382
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MELEVRVRQAFLSGRSRPLRFRLQQLEALRRMVQEREKDI LTAADLCKSEFNVSQEVITVLGEIDF
 MLENLPEWVTAKPVKKNVL TMLDEAYIQPQLGVVLIIGAWNYPFVLTIQPLIGAIAGNAVIKPSLS
 ENTAKILAKLLPQYLDQDLIYINGGVEETELLKQRFDHIFYTGNTAVGKIVMEAAKHLTPVTLELGG
 KSPCYIDKDCDLDIVCRRITWGKYMNCGQTCIAPDYILCEASLQNIWKIKETVKEFYGENIKESPDYE
 RIINLRHFKRILSLLEGQKIAFGGETDEATRYIAPTTLTDVDPKTKVMQEEIFGPILPIVPKVNDEAIN
 FINEREKPLALYVF SHNHKL IKRMIDETSSGGVTGNDVIMHFTLNSFPFGVGSSGMGAYHGKHSFDTFS
 HQRPCLLKSLKREGANKLRYPPNSQSKVDWGKFFLLKRFNKEKGLLLLLTFLGIVA AVLKAEYY

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000382

ORF Size:

1455 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_000382.2</u>
RefSeq Size:	3702 bp
RefSeq ORF:	1458 bp
Locus ID:	224
UniProt ID:	<u>P51648</u>
Cytogenetics:	17p11.2
MW:	54.7 kDa