

Product datasheet for **RC202372A1V**

Human ALDH16A1 (NM_153329) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALDH16A1 (NM_153329) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH16A1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide
Sequence:

>RC202372 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCTGCGACGCGTGCAGGGCCCCGCGCCGCGAGATCTTCACCTCGCTGGAGTACGGACCGGTGCCGG
AGAGCCACGCATGCGCACTGGCCTGGCTGGACACCCAGGACCGGTGCTTGGGCCACTATGTGAATGGGAA
GTGGTTAAAGCCTGAACACAGAAATTCAGTGCCTTGCCAGGATCCCATCACAGGAGAGAAGTGGCCAGT
TGCCTGCAGGCACAGGCCGAGGATGTGGCTGCAGCCGTGGAGGCAGCCAGGATGGCATTAAAGGGCTGGA
GTGCGCACCCCGCGTCGTCCGGGCCAGCACCTGACCAGGCTGGCCGAGGTGATCCAGAAGCACACGG
GCTGCTGTGGACCCTGGAATCCCTGGTACTGGCGGGCTGTTGAGAGGTTGAGACGGGGACGTCCAG
CTGGCCACGACGCTGCTCACTACCATGCAATCCAGGCATCCACCCAGGAGGAGGCACTGGCAGGCTGGG
AGCCCATGGGAGTAATTGGCCTCATCTGCCACCCACATTCTCCTTCTTGAGATGATGTGGAGGATTTG
CCCTGCCCTGGCTGTGGCTGCACCGTGGTGGCCTCGTGCCCCGGCCTCCCGGCGCCCTCCTCCTG
GCCCAGCTGGCGGGGAGCTGGGCCCTTCCCGGAATCCTGAATGTCGTCAGTGGCCCTGCGTCCCTGG
TGCCCATCCTGGCCTCCAGCCTGGAATCCGGAAGGTGGCCTTCTGCGGAGCCCCGGAGGAAGGGCGTGC
CCTTCGACGGAGCCTGGCGGGTGAAGTGTGCGGAGCTGGCCTGGCGCTGGGGACGGAGTCCGTGCTGCTG
CTGACGGACACGGCGGACGTAGACTCGGCCGTGGAGGGTGTGCTGGACGCCGCTGGTCCGACCGCGGCC
CGGGTGGCCTCAGGCTCCTCATCCAGGAGTCTGTGTGGATGAAGCCATGAGACGGCTGCAGGAGCGGAT
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GACCTGGTCCAGCGCTTTGTGCGTGAGGCCAGAGCCAGGGTGCACAGGTGTTCCAGGCTGGTGTGTC
CTTCGGAACGCCATTCTATCCCCAACCTTGGTCTCCAACCTGCCCCAGCCTCCCATGTGCCAGGT
GGAGGTGCCGTGGCCTGTGGTCTGGCTCCCTTCCGACAGCCAAGGAGGCACTGTTGGTGGCCAAC
GGGACGCCCGCGGGGGCAGCGCAGTGTGTGGAGCGAGAGGCTGGGGCAGGCGCTGGAGCTGGGCTATG
GGCTCCAAGTGGGCACTGTCTGGATCAACGCCACGGCCTCAGAGACCCTTCGGTGGCCACAGCGGCTG
CAAGGAGAGTGGGTGTTCTGGCACGGGGGCCAGACGGGCTGTATGAGTATCTGCGGCCCTCAGGGACC
CCTGCCCGCTGTCTGCCTCTCAAGAACCTGAACATGACACCTTTGGCCTCGCTGTTCCCTCAACCC
TGCCGGCTGGGCTGAAATAGGGCCAGCCAGCACCCCTATGGGCTCTTCGTTGGGGCCGTTTCCA
GGCTCCTGGGGCCGAAGCTCCAGGCCATCCGGGATTCGTCTGGCAACCTCCATGGCTACGTGGCTGAG
GGTGGAGCCAAGGACATCCGAGGTGCTGTGGAGGCCGCTCACCAGGCTTCCCTGGCTGGCGGGCCAGT
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CTCGAGGCTGGAGAGGACGGGAGCGGAGCTCAAGGCTGCGGAGGCGGAGGTGGAGCTGAGCGCAAGACGA
CTTCGGGCGTGGGGGGCCGGGTGCAGGCCAAGGCCACACCCTGCAGGTAGCCGGGCTGAGAGGCCCTG
TGCTGCGCCTGCGGGAGCCGCTGGGTGTGCTGGCTGTGGTGTGTCGGACGAGTGGCCCTGCTTGCTT
CGTGTCCTGCTGGCTCCCGCCTGGCCTACGGCAACACTGTGGTTCATGGTGCCAGTGGCGCCTGCTCT
CTGCTGGCCCTGGAGGTCTGCCAGGACATGGCCACCGTGTCCAGCAGGCTGGCCAACGTGGTGACAG
GAGACCGGGACCATCTGACCCGCTGCCTGGCCTTGACCAAGACGTCCAGGCCATGTGGTATTTCCGATC
AGCCAGGGTTCCAGTTTGTGAGTGGCCTCGGCAGGAAACCTCAAACCGGTGTGGCGAGCAGGGGC
TGCCCGCGGGCTGGGACAGGAGGCCGAGGGGCGAGGCCAGAGCTGGGCTGCGAGTGGCGCGGACCA
AGGCCCTGTGGCTGCCTATGGGGAC

AC**CGGCCG**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC202372 protein sequence Red=Cloning site Green=Tags(s) MAATRAGPRAREIFTSLEYGPVPESHACALAWLDTQDRCLGHYVNGKWLKPEHRNSVPCQDPITGENLAS CLQAQAEVDAAAVEAARMAFKGWSAHPGVVRAQHLTRLAIEVIQKHQRLLWTLESLVTGRAVREVRDGDVQ LAQQLLHYHAIQASTQEEALAGWEPMGVIGLILPPTFSFLEMMWRICPALAVGCTVVALVPPASPAPLLL AQLAGELGPFPGILNVVSGPASLVPILASQPGIRKVAFCGAPEEGRALRRSLAGECAELGLALGTESLLL LTDTADVDSAVEGVVDAAWSDRGPGLRLLIQESVWDEAMRRLQERMGRRLRSGRLDGAVDMGARGAAAC DLVQRFVREAQSQGAQVFQAGDVPSEPFYPTLVSNLPPASPCAQVEVPWPVVVASPFRTAKEALLVAN GTPRGGSASVWSERLQGALELGYGLQVGTVINAHGLRDPVPTGGCKESGCSWHGGPDGLYEYLRPSGT PARLSCLSKNLNYDTFGLAVPSTLPAGPEIGPSPAPPYGLFVGGRFQAPGARSSRPIRDSSGNLHGYYAE GGAKDIRGAVEAAHQAFPGWAGQSPGARAALLWALAAALERRKSTLASRLERQGAELKAAEALEVELSARR LRAWGARVQAQGHTLQVAGLRGPVRLRREPLGVLAVVCPDEWPLLAFLVSLAPALAYGNTVVMVPSAACP LLALEVCQDMATVFPAGLANVVTGDRDHLTRCLALHQDVQAMWYFGSAQGSQFVEWASAGNLKPWASRG CPRAWQEAEGAGPELGLRVARTKALWLPMGD TRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_153329
ORF Size:	2406 bp
Buffer:	PBS with 0.001% Pluronic F5323
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_153329.2 , NP_699160.1
RefSeq Size:	3119 bp
RefSeq ORF:	2409 bp
Locus ID:	126133
UniProt ID:	Q8IZ83
Cytogenetics:	19q13.33
MW:	85.1 kDa