

Product datasheet for **RC227026A1V**

Human ALDH16A1 (NM_001145396) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALDH16A1 (NM_001145396) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH16A1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide
Sequence:

>RC227026 representing NM_001145396
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**

ATGGCTGCGACGCGTGCAGGGCCCCGCGCCGCGAGATCTTCACCTCGCTGGAGTACGGACCGGTGCCGG
AGAGCCACGCATGCGCACTGGCCTGGCTGGACACCCAGGACCGGTGCTTGGGCCACTATGTGAATGGAA
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TGCCTGCAGGCACAGGCCGAGGATGTGGCTGCAGCCGTGGAGGCAGCCAGGATGGCATTAAAGGGCTGGA
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GCCCAGCTGGCGGGGAGCTGGGCCCTTCCCGGAATCCTGAATGTCTCAGTGGCCCTGCGTCCCTGG
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GCTCCCGCCCTGGCCTACGGCAACACTGTGGTTCATGGTGGCCAGTGGCGCCTGTCTCTGCTGGCCCTGG
AGGTCTGCCAGGACATGGCCACCGTGTCCAGCAGGCTGGCAACGTGGTGACAGGAGACCGGGACCA
TCTGACCCGCTGCCTGGCCTTGACCAAGACGTCCAGGCCATGTGGTATTTCCGATCAGCCAGGGTTCC
CAGTTTGTGAGTGGGCTCGGCAGGAAACCTCAAACCGGTGTGGCGAGCAGGGGCTGCCCGCGGGCT
GGGACCGAGGCGGAGGGGGCAGGCCAGAGCTGGGGCTGCGAGTGGCGCGACCAAGGCCCTGTGGCT
GCCTATGGGGGAC

AC**CGGCCG**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC227026 representing NM_001145396 Red=Cloning site Green=Tags(s) MAATRAGPRAREIFTSLEYGPVPESHACALAWLDTQDRCLGHVYNGKWLKPEHRNSVPCQDPITGENLAS CLQAQAEVDAAAVEAARMAFKGWSAHPGVVRAQHLTRLAEVIQKHQRLLWTLESLVTGRAVREVRDGDVQ LAQQLLHYHAIQASTQEEALAGWEPMGVIGLILPPTFSFLEMMWRICPALAVGCTVVALVPPASPAPLLL AQLAGELGPFPGILNVLSGPASLVPIIASQPGIRKVAFCGAPEGGLRLLIQESVWDEAMRRLQERMRLR SGRGLDGAVIDMGARGAAACDLVQRFVREAQSQGAQVFQAGDVPSEPFYPPTLVSNLPPASPCAQVEVPW PVVVASPFRTAKEALLVANGTPRGGSSASVWSERLGQALELGYGLQVGTWVINAHGLRDPVPTGGCKESG CSWHGGPDGLYEYLRPSGTPARLSCLSKNLNYDTFGLAVPSTLPAGPEIGPSPAPPYGLFVGGRFQAPGA RSSRPIRDSSGNLHGVAEGGAKDIRGAVEAAHQAFPGWAGQSPGARAALLWALAAALERRKSTLASRLE RQGAELKAAEALEVELSARRLRAWGARVQAQGHTLQVAGLRGPVLRRLREPLGVLAVVCPDEWPLLAFFVSL APALAYGNTVVMVPSAACPLLALEVCQDMATVFPAGLANVVTGDRDHLTRCLALHQDVQAMWYFGSAQGS QFVEWASAGNLKPVWASRGCPRAWDQEAEGAGPELGLRVARTKALWLPMD TRRLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001145396
ORF Size:	2253 bp
Buffer:	PBS with 0.001% Pluronic F9225
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_001145396.1</u>
RefSeq ORF:	2256 bp
Locus ID:	126133
UniProt ID:	<u>Q8IZ83</u>
Cytogenetics:	19q13.33
MW:	79.7 kDa