

Product datasheet for **RC223250A1V**

Human ALDH1A2 (NM_003888) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ALDH1A2 (NM_003888) AAV Particle
Tag:	Myc-DDK
Symbol:	ALDH1A2
Synonyms:	RALDH(II); RALDH2; RALDH2-T
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC223250 representing NM_003888
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGACTTCCAGCAAGATAGAGATGCCCGCGAGGTGAAGGCCGACCCCGCCCTCATGGCGTCGCTGC
 ACCTCCTGCCGTCGCCACGCCAATCTCGAAATTAAGTACACCAAGATCTTTATAAACACGAGTGCCA
 GAACTCAGAGAGTGGGAGAGTGTTCCTGTCTATAATCCAGCCACAGGAGAACAGGTGTGTGAAGTTCAA
 GAAGCAGACAAGGCAGATATAGACAAAGCAGTGCAGGCAGCCGCTGGCTTTCTCTCTGGTTCAGTGT
 GGAGAAGGATGGATGCTTCAGAAAGGGGACGTCTGTTGGATAAGCTTGCAGACTTGGTGAACGGGACAG
 GGCAGTTCTTGAACCATGGAATCCCTAAATGGTGGCAAACATTCTGCAAGCTTTTTATGTGGATTTG
 CAGGGCGTCATCAAAACCTTTTCGATATTACGCAGGCTGGGCTGATAAAATTCATGGGATGACCATTCCTG
 TAGATGGAGACTATTTTACCTTTACAAGACATGAACCCATTGGAGTGTGTGGACAGATCATCCCATGGAA
 CTTCCCCCTGCTGATGTTTGCCTGGAAAATAGCTCCAGCTTTGTCTGTGGCAATACAGTAGTTATTAAG
 CCAGCAGAGCAACACCACTCAGTGCCTCTACATGGGAGCCCTCATCAAGGAGGCTGGCTTTCCCTCCCG
 GGGTCATCAATATTTTGGCAGGATATGGGCCAACGGCTGGGGCAGCAATAGCTTCTCACATTGGCATAGA
 CAAGATTGCATTCACAGGGTCTACTGAGGTTGGAAAGCTTATCCAAGAAGCAGCTGGAAGAAGTAATTTG
 AAGAGAGTAACCTCGAACTTGGAGGCCAAAAGTCTAATATTATTTTGTCTGATGCTGACTTGGACTATG
 CTGTGGAGCAGGCCACCAGGGTGTGTTCTTCAATCAAGGTCACTGCTGCAGGCTCTCGCATCTT
 CGTGGAGGAGTCCATCTATGAGGAGTTTGTGAGAAGAAGCGTGGAGCGGCCAAGAGGCGGTAGTGGGG
 AGTCCCTTTGACCCCACTGAGCAGGGTCCCAGATTGATAAGAAACAGTACAACAAGATCTTGAAC
 TCATCCAGAGTGGTGTGGCTGAGGGCGCCAAGTGAATGTGGAGGCAAAGGACTGGGCCGAAAGGGGT
 TTTCAATTGAGCCACAGTGTTCCTCAACGTCACTGATGATATGCGGATTGCCAAGGAGGAGATCTTTGGC
 CCTGTTCAAGAAATTTTGAATTTAAGACGATGGATGAAGTTATCGAAAGAGCCAATACTCAGACTTTG
 GACTCGTAGCAGCTGTCTTTACTAATGACATCAACAAGGCCCTCACAGTGTCTTCTGCAATGCAAGCTGG
 GACTGTTTGGATCAATTGTTACAATGCCTTAAATGCCAGAGCCCTTTGGGGATTCAAGATGTCTGGA
 AATGGGAGAGAAATGGGAGAATTTGGCTTGCAGGAGTACTCAGAAGTTAAGACGGTGACAGTAAAGATCC
 CCCAGAAGAATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MTSSKIEMPGEVKADPAALMASLHLLPSPTPNLEIKYTKIFINNEWQNSSEGRVFPVYNPATGEQVCEVQ
 EADKADIDKAVQAARLAFSLGSVWRRMDASERGRLLDKLADLVERDRAVLATMESLNGGKPFLLQAFYVDL
 QGVIKTFRRYAGWADKIHGMITPVDGDYFTFTRHEPIGVCGQIIPWNFPLLMFAWKIAPALCCGNTVVIIK
 PAEQTPLSALYMGALIKEAGFPVGINILPGYGPTAGAAIASHIGIDKIAFTGSTEVGKLIQEAAGRSNL
 KRVTLLEGGKSPNIIFADADLDYAVEQAHQGVFFNQGCCTAGSRIFVEESIYEEFVRRSVERAKRRVVG
 SPFDPTTEQGPQIDKKQYNKILELIQSGVAEGAKLECGGKGLGRKGFFIEPTVFSNVTDDMRIAKEEIFG
 PVQEILRFKTMDEVIERANNSDFGLVAAVFTNDINKALTVSSAMQAGTVWINCYNALNAQSPFGGFKMSG
 NGREMGEFGLREYSEVKTVTVKIPQKNS

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_003888

ORF Size:

1554 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_003888.2</u>
RefSeq Size:	3398 bp
RefSeq ORF:	1557 bp
Locus ID:	8854
UniProt ID:	<u>O94788</u>
Cytogenetics:	15q21.3
MW:	56.5 kDa