

Product datasheet for **RC213031A1V**

Human LAD1 (NM_005558) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human LAD1 (NM_005558) AAV Particle
Tag:	Myc-DDK
Symbol:	LAD1
Synonyms:	LadA
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC213031 representing NM_005558
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGTGAGCAGGAAGGACTGGTCCGCGCTGTCCAGCCTTGCCCGGCAGAGGACTCTGGAGGATGAGG
 AGGAACAGGAGCGCGAGCGCAGGCGGCCGACCGCAACCTGAGCTCCACCACGGACGATGAGGCTCCAG
 GCTCAGCCAGAATGGAGACCGGCGAGGCTCTGCTTCTGAGAGACTACCGAGCGTGAAGAAGCAGAGGTG
 CCCAAGCCACTGCCCCAGCCTCCAAGATGAGGACGAGGACATCCAGAGCATCCTCAGAACACGGCAGG
 AGCGGAGGCAGAGGCGGCGAGGTGGTGGAGGCTGCACAGGCCCCATCCAGGAGAGGCTGGAGGCAGAGGA
 GGGGAGGAACAGCTTGAGCCCTGTGCAGGCCACACAGAAACCCCTAGTCTCCAAGAAGGAACTGGAAATC
 CCACCTCGCCGAGACTGAGTCGGGAACAGCGGGGCCCTGGGCCCTGGAGGAGGAGAGCTTGGTGGGCA
 GGGAGCCAGAAGAGAGGAAGAAAGGGGTTCCAGAAAAGTCCCCAGTCTTGAGAGAAATCTCCATGCCAAA
 GAAGACGGCACCTGAAAAGAGCCTGGTCTCCGATAAAACCTCCATCTCTGAGAAGGTGCTGGCCTCAGAG
 AAGACATCTCTATCAGAGAAGATAGCAGTGTGAGAGAAAAGAAACAGCTCAGAGAAGAAGTCTGTTCTAG
 AAAAAACCAAGTGTCTCTGAGAAGTCTGCTGGCCCCAGGGATGGCACTGGGCTCAGGAAGGAGGCTGGTGT
 TGAGAAAGCTTCCATCTTTGAGAAGGCACTGGCCTCAGAGAAGAGCCCACTGCAGATGCTAAGCCGGCC
 CCAAAGAGGGCCACAGCCTCAGAGCAGCCCTGGCGCAGGAGCGCCAGCCTCTGGGGGAAGCCAGCCA
 CCACCAAGGAGCAGAGAGGAAGGGCCCTCCCTGGGAAGAACCTGCCCTCTTTGGCAGAGCAGGGGGCTTC
 AGACCTCCGACTGTGGCCTCCCGCCTCCACCCGTCACTCCAGGTGAAAATCCCCAGCAAGGAGGAA
 GAGGCAGATATGCTCACCACACAGCGAACCTACAGCAGTCCCTCAAACGCTCCAGCCCCAGGACCA
 TCTCCTTTGCGATGAAACCAAGAAAGAAAACCTCGGAAACAACTAAGTGCAGTGCAGCATGAAGCT
 CCCAGACAACACAGTGAAGTTGGGAGAGAAGCTGGAGAGATACACACGGCCATACGGAGATCAGAATCT
 GTCAAGTCTCGGGTCTGCCTTGCACTGAGTTATTCTGGCTCCTGTGGGTGTAGCCAGCAAGCGCCACC
 TCTTTGAGAAGGAACTGGCGGGCCAGAGCCGAGCAGAACAGCCTCCAGCCGGAAGGAGAACTTGAGGCT
 CTCAGGGGTTGTGACATCAAGGCTCAACCTGTGGATCAGCAGGACCCAGGAATCTGGAGATCAGGACCCC
 CAGGAGGCACAGAAAGCATCATCTGCAACCGAGAGGTCTCAGTGGGGACAGAAATCTGACTCCTCGCTGG
 ACGCTGAGGTG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MAVSRKDWSSALSSARQRTLEDEEEQERERRRRHRNLSTTDDDEAPRLSQNGDRQASASERLPSVEEAEV
 PKPLPPASKDEDEDIQSILRTRQERRRRQVVEAAQAPIQERLEAEGRNSLSPVQATQKPLVSKKELEI
 PPRRRLSREQRPWALEEESLVGREPEERKKGVPEKSPVLEKSSMPKKTAPKSLVSDKTSISEKVLASE
 KTSLSKIAVSEKRNSSSEKSVLEKTSVSEKSLAPGMALGSGRRLVSEKASIFEKALASEKSPTADAKPA
 PKRATASEQPLAQEPASGGSPATTKEQRGRALPGKNLPSLAEQGASDPPTVASRLPPVTLQVKIPSKEE
 EADMSSPTQRTYSSSLKRSSPTISFRMKPKKENSETLTRSASMKLDPNTVKLGEKLERYHTAIRRSSES
 VKSRGLPCTELFVAPVGVASKRHLFEKELAGQSRAPASSRKENLRLSGVVTSLNLWISRTQESGDQDP
 QEAQKASSATERSQWGQKSDSSLDAEV

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_005558

ORF Size:

1551 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_005558.3</u>
RefSeq Size:	2869 bp
RefSeq ORF:	1554 bp
Locus ID:	3898
UniProt ID:	<u>O00515</u>
Cytogenetics:	1q32.1
MW:	57 kDa