

Product datasheet for **RC201809A1V**

Human Lamin A (LMNA) (NM_005572) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Lamin A (LMNA) (NM_005572) AAV Particle
Tag:	Myc-DDK
Symbol:	LMNA
Synonyms:	CDCD1; CDDC; CMD1A; CMT2B1; EMD2; FPL; FPLD; FPLD2; HGPS; IDC; LDP1; LFP; LGMD1B; LMN1; LMNC; LMNL1; MADA; PRO1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC201809 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGAGACCCCGTCCCAGCGCGCGCCACCCGACGCGGGCGCAGGCCAGCTCCACTCCGCTGTCGCCCCA
 CCCGCATCACCCGGCTGCAGGAGAAGGAGGACCTGCAGGAGCTCAATGATCGCTTGGCGGTCTACATCGA
 CCGTGTGCGCTCGCTGGAAACGAGAACGCAGGGCTGCGCCTTCGCATCACCGAGTCTGAAGAGGTGGTC
 AGCCGCGAGGTGTCCGGCATCAAGGCCGCTACGAGGCCGAGCTCGGGGATGCCCGAAGACCCTTGACT
 CAGTAGCCAAGGAGCGCGCCCGCTGCAGCTGGAGCTGAGCAAAGTGCCTGAGGAGTTTAAAGAGCTGAA
 AGCGCGCAATACCAAGAAGGAGGGTGACCTGATAGCTGCTCAGGCTCGGCTGAAGGACCTGGAGGCTCTG
 CTGAACTCCAAGGAGGCCGACTGAGCACTGCTCTCAGTGAGAAGCGCACGCTGGAGGGCGAGCTGCATG
 ATCTGCGGGGCCAGGTGGCCAAGCTTGAGGCAGCCCTAGGTGAGGCCAAGAAGCAACTTCAGGATGAGAT
 GCTGCGGCGGGTGGATGCTGAGAACAGGCTGCAGACCAGAAGGAGGAAGTGGACTTCCAGAAGAATC
 TACAGTGAGGAGCTGCGTGAGACCAAGCGCCGTCTAGAGACCCGACTGGTGGAGATTGACAATGGGAAGC
 AGCGTGAGTTTGAAGCCGGCTGGCGGATGCGCTGCAGGAAGTGGCGGCCAGCATGAGGACCAGGTGGA
 GCAGTATAAGAAGGAGCTGGAGAAGACTTATTCTGCCAAGCTGGACAATGCCAGGCAGTCTGCTGAGAGG
 AACAGCAACCTGGTGGGGGCTGCCACGAGGAGCTGCAGCAGTCGCGCATCCGCATCGACAGCCTCTCTG
 CCCAGCTCAGCCAGCTCCAGAAGCAGCTGGCAGCCAAGGAGGCGAAGCTTCGAGACCTGGAGGACTCACT
 GGCCCGTGAGCGGGACACCAGCCGGCGGCTGCTGGCGGAAAAGGAGCGGGAGATGGCCGAGATGCGGGCA
 AGGATGCAGCAGCAGCTGGACGAGTACCAGGAGCTTCTGGACATCAAGCTGGCCCTGGACATGGAGATCC
 ACGCCTACCGCAAGCTCTTGAGGGCGAGGAGGAGGCTACGCTGTCCCCAGCCCTACCTCGCAGCG
 CAGCCGTGGCCGTGCTTCTCTCACTCATCCAGACACAGGGTGGGGGACGCTACCAAAAAGCGCAAA
 CTGGAGTCCACTGAGAGCCGACGAGCTTCTCAGCAGCAGCAGCACTAGCGGGCGCGTGGCCGTGGAGG
 AGGTGGATGAGGAGGGCAAGTTTGTCCGGCTGCGCAACAAGTCCAATGAGGACCAGTCCATGGGCAATTG
 GCAGATCAAGCGCCAGAATGGAGATGATCCCTTGCTGACTTACCGGTTCCCAACAAAGTTCAACCTGAAG
 GCTGGGCAAGTGGTACGATCTGGGCTGCAGGAGCTGGGGCCACCCACAGCCCCCTACCGACCTGGTGT
 GGAAGGCACAGAACACCTGGGGTGGGGAACAGCCTGCGTACGGCTCTCATCACTCCACTGGGAAGA
 AGTGGCCATGCGCAAGCTGGTGCCTCAGTGACTGTGGTTGAGGACGACGAGGATGAGGATGGAGATGAC
 CTGCTCCATCACCACCAGTGAAGTGGTACCGCCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201809 protein sequence
 Red=Cloning site Green=Tags(s)

METPSQRRATRSGAQSSTPLSPTRITRLQEKEDLQELNDRLAVYIDRVRSLETENAGLRLRITESEEV
 SREVSGIKAAYEALGDARKTLDVAKERARLQLELKVREEFKELKARNTKKEGDLIAAQARKLDLEAL
 LNSKEALSTALSEKRTLEGELHDLRGQVAKLEAALGEAKQLQDEMLRRVDAENRLQTMKEELDFQKNI
 YSEELRETKRRHETRLVEIDNGKQREFESRLADALQELRAQHEDQVEQYKKELEKTYSAKLDNARQSAER
 NSNLVGAHEELQQSRIRIDSLAQLSQLQQLAAKEAKLRDLEDLARERDTSRLLAEKEREMAEMRA
 RMQQQLDEYQELLDIKLALDMEIHAYRKLEGEERLRLSPSPTSQSRGRASSHSQTQGGGSVTKRK
 LESTESRSSFSQHARTSGRVAVEEVDEEGKFVRLRNKSNEDQSMGNWQIKRQNGDDPLLTYRFPKFTLK
 AGQVVTIWAAGAGATHSPPTDLVWKAQNTWGCNSLRTALINSTGEEVAMRKLVRSVTVVEDDEDEDGDD
 LLHHHHVSGSRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_005572
ORF Size:	1716 bp
Buffer:	PBS with 0.001% Pluronic F5234
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_005572.2</u>
RefSeq Size:	2077 bp
RefSeq ORF:	1719 bp
Locus ID:	4000
UniProt ID:	<u>P02545</u>
Cytogenetics:	1q22
MW:	65.1 kDa