

Product datasheet for **RC218134A1V**

Human SIRT1 (NM_012238) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SIRT1 (NM_012238) AAV Particle
Tag:	Myc-DDK
Symbol:	SIRT1
Synonyms:	SIR2; SIR2alpha; SIR2L1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC218134 representing NM_012238
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGACGAGGCGGCCCTCGCCCTTCAGCCCGCGGCTCCCCCTCGGCGGCGGGGCCGACAGGGAGG
 CCGCGTCGTCCCCCGCCGGGAGCCGCTCCGCAAGAGGCCGCGGAGAGATGGTCCCGCCCTCGAGCGGAG
 CCCGGGCGAGCCCGGTGGGGCGGCCCCAGAGCGTGAGGTGCCGCGGCGGCCAGGGGCTGCCCGGTGCG
 GCGGCGGCGGCTGTGGCGGAGGCGGAGGCAGAGCGGCGGCGGCGGCGGAGCAAGAGGCCAGG
 CGACTGCGGCGGCTGGGAAGGAGACAATGGGCCGGCCCTGCAGGGCCCATCTCGGGAGCCACCGCTGGC
 CGACAACCTGTACGACGAAGACGACGACGAGGCGGAGGAGGAGGAAGAGGCGGCGGCGGCGGCGATT
 GGGTACCGAGATAACCTTCTGTCGGTGATGAAATTATCACTAATGGTTTTTCCTCTGTGAAAGTGATG
 AGGAGGATAGACCTCACATGCAAGCTCTAGTACTGGACTCCAAGGCCACGGATAGGTCCATATACTTT
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 GCTCGCCTTGCTGTAGACTTCCAGATCTTCCAGATCCTCAAGCGATGTTTGATATTGAATATTTTCAGAA
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 GTAAATACAAAGTTGACTGTGAAGCTGTACGAGGAGATATTTTAATCAGGTAGTTCCTCGATGTCCTAG
 GTGCCAGCTGATGAACCGCTTGCTATCATGAAACCAGAGATTGTGTTTTTTGGTGAAAAATTTACCAGAA
 CAGTTTCATAGAGCCATGAAGTATGACAAAGATGAAGTTGACCTCCTCATTGTTATTGGGTCTTCCCTCA
 AAGTAAGACCAGTAGCACTAATTCAGTTCCATACCCCATGAAGTGCCTCAGATATTAATTAATAGAGA
 ACCTTTGCCTCATCTGCATTTTGATGTAGAGCTTCTGGAGACTGTGATGTCAATTAATGAATTGTGT
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 CTCAAGTTCACCAGAAAGAACTTCACCACCAGATTCTTCAGTGATTGTCACACTTTTAGACCAAGCAGCT
 AAGAGTAATGATGATTTAGATGTGTCTGAATCAAAGGTTGTATGGAAGAAAAACACAGGAAGTACAAA
 CTTCTAGGAATGTTGAAAGTATTGCTGAACAGATGGAAAAATCCGGATTTGAAGAATGTTGGTTCTAGTAC
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 GAGCAGATTAGTAGGCGCTTGATGGTAAATCAGTATCTGTTTTTGCCACCAATCGTTACATTTTCCATG
 GCGCTGAGGTATATTCAGACTCTGAAGATGACGTCTTATCCTCTAGTTCTTGTGGCAGTAACAGTGATAG
 TGGGACATGCCAGAGTCCAAGTTTGAAGAACCCTGGAGGATGAAAGTGAAATTGAAGAATTCTACAAT
 GGCTTAGAAGATGAGCCTGATGTTCCAGAGAGAGCTGGAGGAGCTGGATTTGGGACTGATGGAGATGATC
 AAGAGGCAATTAATGAAGCTATATCTGTGAAACAGGAAGTAACAGACATGAACTATCCATCAAACAAATC
 A

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC218134 representing NM_012238 Red=Cloning site Green=Tags(s) MADEAALALQPGGSPSAAGADREAASSPAGEPLRKRPRRDGPGLERSPGEPGGAAPEREPVAAARGCPGA AAAAALWREAEAEAAAAGGEQEAQATAAAGEGDNGPGLQGSPREPPLADNLYDEDDDEGESEEEEEAAAAAI GYRDNLLFGDEIITNGFHSCESEEDRASHASSSDWTTPRPRIGPYTFVQQHLMIGTDPRTILKDLLPETI PPPELDDMTLWQIVINILSEPPKRKKRKDINTIEDAVKLLQECKKIIIVLTGAGVSVSCGIPDFRSRDGIY ARLAVDFPDLDPQAMFDIEYFRKDPRPFKFKEIYPGQFQPSLCHKFIALSDKEGKLLRNYTQNDITL EQVAGIQRIIQCHGSFATASCLICKYKVDCEAVRGDIFNQVVPKPCPCPADEPLAIMKPEIVFFGENLPE QFHRAMKYDKDEVLLIVIGSSLKVRPVALIPSSIPHEVPQILINREPLPHLHFDVLLGDCDVIINELC HRLGGEYAKLCCNPVKLSEITEKPPRTQKELAYLSELPPTPLHVEDSSSPERTSPDSSVIVTLLDQAA KSNDDLDVSESKGCMEEKPQEVQTSRNVESIAEQMENPDLKNVGSSTGEKNERTSVAGTVRKCWPNRVAK EQISRRLDGNQYLFLPPNRYIFHGAEVYSDSEDDVLSSSSCGSNSDSGTCQSPSLEEPMEDESEIEEFYN GLEDEPDVPERAGGAGFGTDGDDQEAINEAISVKQEVTDNMNPSNKS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_012238
ORF Size:	2241 bp
Buffer:	PBS with 0.001% Pluronic F7807
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_012238.3
RefSeq Size:	4107 bp
RefSeq ORF:	2244 bp
Locus ID:	23411
UniProt ID:	Q96EB6
Cytogenetics:	10q21.3
MW:	81.5 kDa