

Product datasheet for **RC221367A1V**

Human SMN1 (NM_000344) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SMN1 (NM_000344) AAV Particle
Tag:	Myc-DDK
Symbol:	SMN1
Synonyms:	BCD541; GEMIN1; SMA; SMA1; SMA2; SMA3; SMA4; SMA@; SMN; SMNT; T-BCD541; TDRD16A
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC221367 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGATGAGCAGCGGCGGCAGTGGTGGCGCGTCCCGGAGCAGGAGGATTCGCTGCTGTTCCGGCGCG
GCACAGGCCAGAGCGATGATTCTGACATTTGGGATGATACAGCACTGATAAAAGCATATGATAAAGCTGT
GGCTTCATTTAAGCATGCTCTAAAGAATGGTGACATTTGTGAACTTCGGGTAACCAAAAACACACCT
AAAAGAAAACCTGCTAAGAAGAATAAAAGCCAAAAGAAGAATACTGCAGCTTCCTTACAACAGTGGAAAG
TTGGGGACAAATGTTCTGCCATTTGGTCAGAAGACGGTTGCATTTACCCAGCTACCATTTGCTTCAATTGA
TTTAAAGAGAGAAACCTGTGTTGTGGTTTACACTGGATATGGAAATAGAGAGGAGCAAAATCTGTCCGAT
CTACTTTCCCCAATCTGTGAAGTAGCTAATAATATAGAACAGAATGCTCAAGAGAATGAAATGAAAGCC
AAGTTTCAACAGATGAAAGTGAGAACTCCAGGTCTCCTGGAAATAAATCAGATAACATCAAGCCCAATC
TGCTCCATGGAATCTTTCTCCCTCCACCACCCCATGCCAGGGCCAGACTGGGACCAGGAAAGCCA
GGTCTAAAATTCAATGGCCACCACCGCCACCACCACCCCACTTACTATCATGCTGGCTGC
CTCCATTTCTTCTGGACCACCAATAATTCCCCACCACCTCCCATATGTCCAGATTCTTTGATGATGC
TGATGCTTTGGGAAGTATGTTAATTTTCATGGTACATGAGTGGCTATCATACTGGCTATTATATGGGTTTT
AGACAAATCAAAAAGAAGGAAGGTGCTCACATTCCTTAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>RC221367 protein sequence Red=Cloning site Green=Tags(s) MAMSSGGSGGGVPEQEDSVLFRRGTGQSDSDIWDDTALIKAYDKAVASFKHALKNGDICETSGKPKTTP KRKPAKKNKSQKKNTAASLQQWVGDKCSAIWSEDGCIYPATIASIDFKRETCVVVYTGYNREEQNLS LLSPICEVANNIEQNAQENENESQVSTDESENRSRPGNKSNDIKPKSAPWNSFLPPPPMPGPRLGPGKP GLKFNGPPPPPPPPHLLSCWLPFPSPGPIIPPPPICPDSLDDADALGSMLISWYMSGYHTGYMGMF RQNQKEGRCSHSLN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_000344
ORF Size:	882 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:	NM_000344.2
RefSeq Size:	1641 bp
RefSeq ORF:	885 bp
Locus ID:	6606
UniProt ID:	Q16637
Cytogenetics:	5q13.2
MW:	31.8 kDa