

Product datasheet for **RC228971A1V**

Human **BEGAIN** (NM_001159531) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human BEGAIN (NM_001159531) AAV Particle
Tag:	Myc-DDK
Symbol:	BEGAIN
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC228971 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

 ATGAGAACTCAGCGCTGCAGGAGCAGAAGGGCGAGCTGCGCAAGCGGTGTCTACACCACACACA
AGCTCGAGAAGCTCGAGACCGAGTTCGACTCCACGCGCCACTACCTGGAGATCGAGCTGCGGCGCGCGCA
GGAGAACTGGAGAAGGTACGAGAACTGCGCAGGATTAGAGCAACTACATGGCACTGCAGAGGATC
AACCAGGAGCTGGAGGACAAGCTGTACCGCATGGGCCAGCACTATGAGGAGGAGAAGCGTGCCTGAGCC
ACGAGATTGTTGCCCTCAACAGCCATCTGCTAGAAGCCAAGGTGACCATCGACAAGCTGTGAGAGGACAA
CGAGCTCTATAGGAAGGACTGCAATCTAGCGGCCAGCTGCTGCAGTGCAGCCAGACCTACGGCAGGGTC
CACAAGGTGTCTGAGCTGCCCTCGGATTTCCAGGAGCGCTGAGCCTGCACATGGAGAAGCACGGCTGCA
GCCTGCCATCCCGCTCTGCCACCCGGCTACGCCGACAGCGTCCCCACCTGCGTCATTGCCAAGGTGCT
GGAGAAGCCGGACCCCGCAGCCTGTCTCCCGCTGTCCGATGCCTCCGCCCGGACCTGGCCTTCTGC
GACGGGTGGAGAAACAGGCCCGCGGCCCTACAAGGAGACATCTACTGCAGTGACACAGCCCTCT
ACTGCCCGGAGGAGCGCGCGGAGACCGCGGCCCTAGCGTGGACGCGCCGTGACCGACGTGGGTTCTCT
GCGGGCCAGAACTCCACTGACAGCGCGGCCGAGGAGGAGGAGGCCGAGGCGCGGCTTCCCGGCG
GGCTTCCAGCATGAGGCTTCCCGAGCTACGAGGCTCACTGCCACGTCCAGCTCCTACTCCAGCTTCA
GCGCCACGTGAGGAGGAGAAGGAGCAGCGCAGGCCAGCACGCTGACCGCGTCGCAGCAGGCCATCTACCT
GAACAGCCGCGACGAGCTCTCGACCGCAAGCCACCCGCCACCACTACGAGGCGAGCCCTCGCTTGGC
AAGGCCACGGCGCGGTGGCGGCCCGCTGGAGGCCAAGTGGCCCCAGGCTTCGGGCGGACCATGTAC
CGTACCGCGCGGAGACCTTCCGCTTCCCGGCTCTCCGGTCCCAGCAGGCCCTGATGCCCCAAACCT
GTGGAGCTGCGGGCCAAGCCGGGACCGCCGCTCCCGGGGAGGACATGAGGGGCCAGTGGCGTCCC
CTGAGCGTGGAGGACATCGCGCCTACTCCTACCCGTGAGCGCTGCCGCGCGCCTACCCCTGCAGCT
TCTCTGAACGCTACTACGGCGGGGCGGGGACGCCCGGGCAAGAAGGCCGACGCCGCGCCAGCCCGCT
CTACGCCAGCTACAAGGCCGACAGCTTCTCCGAGGGGACGACCTCTCCAGGGCCACCTGGCAGAGCC
TGCTTCTGCGGGCGGGCGGACCTGAGCCTCAGTCCCGCGCTCGGCTGACCACTGCCCGCTATG
CACCCAGCGAGGGGGGACGGGACAGGCTCGGGTGCAGCTGTGTGGACGCCAGCAGCCCTGAGCC
CGAGCAGGTTCCAGGACTCCTTGAGCCGAGCTCCATGAGGCCTCCCGGAAATGCATCTGCCGCC
CGCCTCAGCCCCAGCAGGCCTTCCGCGGACTGGTGGCTCGGGCTGAGCCGCAAGGACAGCCTACCA
AGGCCAGCTCTACGGAACCTTGCTCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228971 protein sequence

Red=Cloning site Green=Tags(s)

 MEKLSALQEKGELRKRLSYTHKLEKLETFDSTRHYLEIELRRAQEELEKVKTEKLRRISQNYMALQRI
NQELEDKLYRMGQHYEEERKALSHEIVALNSHLEAKVTIDKLSKDNLRYKDCNLAQQLQCSQTYGRV
HKVSELPSPDFQERVSLHMEKHGCSLPSPLCHPAYADSVPTCVIAKVLEKPDPASSLSSRLSDASARDLAF
DGVEKPGPRPPYKGDYICSDTALYCPEERRRRRPSVDAPVTDVGFRLAQNSTDSAAEEEEEAEEAFPA
GFQHEAFPSYAGSLPTSSSYSSFSATSEEKEHAQASTLTASQQAIIYLSNRDELDRKPPATTYEGSPRFA
KATAAVALPLEAEVAPGFGRMTSPYPAETFRFPASPGPQALMPPNLWSLRAKPGTARLPGEDMRGQWRP
LSVEDIGAYSYPVSAAGRASPCSFERYGGAGGSPGKKADGRASPLYASYKADSFSEGDDLQGHLEAP
CFLRAGGDLSPGRSADPLPGYAPSEGGDGLRGVQLCGTASSPEPEQSRDSLEPSSMEASPEMHPAA
RLSPQQAFFRTGGSLSRKDSLTKAQLYGTLLN

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001159531
ORF Size:	1779 bp
Buffer:	PBS with 0.001% Pluronic F9541
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_001159531.1, NP_001153003.1</u>
RefSeq Size:	2763 bp
RefSeq ORF:	1782 bp
Locus ID:	57596
UniProt ID:	<u>Q9BUH8</u>
Cytogenetics:	14q32.2
MW:	64.8 kDa