

Product datasheet for **RC205683A1V**

Human FUCA1 (NM_000147) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human FUCA1 (NM_000147) AAV Particle
Tag:	Myc-DDK
Symbol:	FUCA1
Synonyms:	FUCA
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC205683 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGAGGTCGCGGCCGGGTCCTCGCTGCTGCTCTTCTCGGAGCGGCCGAGTCGGTGC
 GTCGGGCCAGCCTCCGCGCCGTACACCCAGACTGGCCGAGCCTGGATTCTCGGCCGCTGCCGGCCTG
 GTTCGACGAAGCCAAGTTCGGGGTGTTCATCCACTGGGCGTGTCTCGGTGCCCGCTGGGGCAGCGAG
 TGGTCTGGTGGCACTGGCAGGGCGAGGGCGGCCGAGTACCAGCGCTTCATGCGCGACAACACCCGC
 CCGGCTTCAGCTACGCCGACTTCGGACCGCAGTTCAGTGCCTCTTCCACCCGAGGAGTGGGCCGA
 CCTCTTCCAGGCCGCGGCCCAAGTATGTAGTTTACGACAAAGCATCACGAAGGCTTCACAACTGG
 CCGAGTCTGTGCTTGAAGTGAAGTCCAAAGAGCTGGGGCTCATCGGGATTGGTTGGTGAATTGG
 GAACAGCTCTCGGAAGAGGAACATCCGCTATGACTATACCACTCACTCTAGAGTGGTCCATCCACT
 CTATCTACTTGATAAGAAAAATGGCTTCAAACACAGCATTTTGTGAGTCAAAAACAATGCCAGAGCTG
 TACGACCTTGTTAACAGCTATAAACCTGATCTGATCTGGTCTGATGGGGAGTGGGAATGCTCTGATACTT
 ACTGGAAGTCCACAAATTTCTTTCATGGCTCTACAATGACAGCCCTGTCAAGGATGAGGTGGTAGTAA
 TGACCGATGGGGTCAAGTGTCTGTCACTGAGGATACTATACTGTGAAGATAAATTCAAGCCA
 CAGAGCTTGCCAGATCACAAGTGGGAGATGTGCACCAGATTGACAAGTTTTCTGGGGCTATCGTCGTG
 ACATGGCATTGTCTGATGTTACAGAAGAATCTGAAATCATTTCCGAAGTGGTTCAGACAGTAAGTTGGG
 AGGCAACTATCTTCTGAACATTGGACCAACTAAAGATGGAGTATTGTTCCATCTTCCAAGAAAGGCTT
 CTTGCTGTTGGGAAATGGCTGAGCATCAATGGGAGGCTATCTATGCCTCAAACCATGGCGGGTCAAT
 GGGAAAAGAACAACATCTGTATGGTATACCTCAAAGGATCGGCTGTTATGCCATTTTCTGCACTG
 GCCAGAAAATGGAGTCTTAAACCTTGAATCCCCATAACTACCTCAACTACAAAGATAACAATGCTGGGA
 ATTCAAGGAGATCTGAAGTGGTCCACAGATCCAGATAAAGGTCTCTTCTCTCTACCCAGTTGCCAC
 CCTCTGCTGTCCCGCAGAGTTTCTTGGACTATAAAGCTGACAGGAGTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205683 protein sequence
 Red=Cloning site Green=Tags(s)

MRSRPAGPALLLLLLFLGAAESVRRAPPPRYTPDWPSLDSRPLPAWFDEAKFGVFIHWGVFSVPAWGSE
 WFWHHWQGEGRPQYQRFMRDNYPPGFSYADFGPQFTARFFHPEEWADLFQAAGAKYVVLTTKHHEGFTNW
 PSPVSWNWNKDVGPHRDLVGEGLTALRKRNIRYGLYHSLLEWFHPLYLLDKNGFKTQHFVSAKTMPEL
 YDLVNSYKPDLIWSDGEWCPDITYWNSTNFLSWLYNDSPVKDEVVNDRWGQNCCHGGYYNCEDKFKP
 QSLPDHKWEMCTSIDKFSWGYRRDMALSDVTEESEIISELVQTVSLGGNYLLNIGPTKDGLIVPIFQERL
 LAVGKWL SINGEAIYASKPWRVQWEKNTTSVWYTSKGSVYAI FLHWPENGVLNLESPITTSTTKITMLG
 IQGDLKWSTDPDKGLFISLPQLPPSAVPAEFAWTIKLTGVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000147

ORF Size:

1383 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_000147.3</u>
RefSeq Size:	2133 bp
RefSeq ORF:	1401 bp
Locus ID:	2517
UniProt ID:	<u>P04066</u>
Cytogenetics:	1p36.11
MW:	53.2 kDa