

Product datasheet for **RC201967A1V**

Human ARSG (NM_014960) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ARSG (NM_014960) AAV Particle
Tag:	Myc-DDK
Symbol:	ARSG
Synonyms:	USH4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC201967 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTGGCTTTTTCTAAAGTTTTGTGGCGGAGTGAGTTTCTCAGGATTTCTTTATCCTCTTGTGG
 ATTTTTGCATCAGTGGGAAAACAAGAGGACAGAAGCCAACTTTGTGATTATTTGGCCGATGACATGGG
 GTGGGGTGACCTGGGAGCAAACCTGGGCAGAAACAAGGACACTGCCAACCTTGATAAGATGGCTTCGGAG
 GGAATGAGTTTTGTGGATTTCCATGCAGCTGCCTCCACCTGCTCACCTCCCAGGCTTCTTGTCCACCG
 GCCGGCTTGGCCTTCGCAATGGAGTACACGCAACTTTGCAGTCACTTCTGTGGGAGGCCTTCGGCTCAA
 CGAGACCCTTGGCAGAGGTGCTGCAGCAGGCGGTTACGCTACTGGGATAATAGGCAAATGGCATCTT
 GGACACCACGGCTCTTATCACCCAACTTCCGTGGTTTTGATTACTACTTTGGAATCCCATATAGCCATG
 ATATGGGCTGTACTGATACTCCAGGCTACAACCACCTCCTTGTCCAGCGTGTCCACAGGGTGATGGACC
 ATCAAGGAACCTTCAAAGAGACTGTTACTACTGACGTGGCCCTCCCTCTTTATGAAAACCTCAACATTGTG
 GAGCAGCCGGTAACTTGAGCAGCCTTGCCAGAAAGTATGCTGAGAAAGCAACCCAGTTCATCCAGCGTG
 CAAGCACCAGCGGGAGGCCCTTCTGCTCTATGTGGCTCTGGCCACATGCACGTGCCCTTACCTGTGAC
 TCAGTACCAGCAGCGCCACGGGCGAGAAGCCTGTATGGTGCAGGGCTCTGGGAGATGGACAGTCTGGT
 GGCCAGATCAAGGACAAAGTTGACCACACAGTGAAGGAAAACACATTCCTCTGGTTTACAGGAGACAATG
 GCCCGTGGGCTCAGAAGTGTGAGCTAGCGGGCAGTGTGGGTCCCTTCACTGGATTTTGGCAAACCTCGTCA
 AGGGGGAAGTCCAGCCAAGCAGACGACCTGGGAAGGAGGGCACCGGTCCCAGCACTGGCTTACTGGCT
 GGCAGAGTCCAGTTAATGTACCAGCACTGCCTGTTAAGCGTGTGGACATTTTCCAACCTGTGGTAG
 CCTGGCCAGGCCAGCTTACCTCAAGGACGGCGCTTTGATGGTGTGGACGTCTCCGAGGTGCTCTTTGG
 CCGGTACACAGCCTGGGCACAGGGTGTGTTCCACCCAAACAGCGGGCAGCTGGAGAGTTTGGAGCCCTG
 CAGACTGTCCGCTGGAGCGTTACAAGCCTTCTACATTACCGTGGAGCCAGGCGTGTGATGGGAGCA
 CGGGCCCTGAGCTGCAGCATAAGTTTCTCTGATTTTCAACCTGGAAGACGATACCGCAGAAGCTGTGCC
 CCTAGAAAAGAGGTGGTGCAGGAGTACCAGGCTGTGCTGCCCGAGGTGAGAAAGTTCTTGCAGACGCTCTC
 CAAGACATTGCCAACGACAACATCTCCAGCGCAGATTACACTCAGGACCCTTCACTAACTCCCTGCTGTA
 ATCCCTACCAAATTCCTGCCGCTGTCAAGCCGA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201967 protein sequence
 Red=Cloning site Green=Tags(s)

MGWFLKVLVLAGVSFSGFLYPLVDFCISGKTRGQKPNFVILADDMGWGDGANWAETKDTANLDKMASE
 GMRFVDFHAAASTCSPSRASLLTGRLGLRNGVTRNFAVTSVGGPLNETTLAEVLQQAGYVTGIIGKWHL
 GHHGSYHPNFRGFDYFIPYSHDMGCTDTPGYNHPPCAPCPQGDGPSRNLQRDCYTDVALPLYENLNIV
 EQPVNLSLAQKYAEKATQFIQRASTSRPFLLYVALAHMHVPLPVTQLPAAPRGRSLYAGLWEMDSL
 VGGQIKDKVDHTVKENTFLWFTGDNGPWAQKCELAGSVGPFTGFVQTRQGGSPAKQTTWEGHVRPALAYWP
 GRVPVNVSTALLSVLDIFPTVVALAQASLPQRRFDGVDVSEVLFGRSQPGRVLFHPNSGAAGEFGAL
 QTVRLERYKAFYITGGARACDGTGPELQHKFPLIFNLEDDTAEAVPLERGGAEYQAVLPEVRKVLADVL
 QDIANDNISSADYTDPSVTPCCNPYQIACRCQAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_014960

ORF Size:

1575 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_014960.2</u>
RefSeq Size:	2785 bp
RefSeq ORF:	1578 bp
Locus ID:	22901
UniProt ID:	<u>Q96EG1</u>
Cytogenetics:	17q24.2
MW:	57.1 kDa