

## Product datasheet for **RC201568A1V**

### Human Argininosuccinate Lyase (ASL) (NM\_001024943) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Argininosuccinate Lyase (ASL) (NM_001024943) AAV Particle
Tag:	Myc-DDK
Symbol:	Argininosuccinate Lyase
Synonyms:	ASAL
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC201568 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGCCTCGGAGAGTGGGAAGCTTTGGGGTGGCCGGTTTGTGGGTGCAGTGGACCCCATCATGGAGAAGT  
 TCAACGGTCCATTGCCACGACCGGCACCTTTGGGAGGTGGATGTTCAAGGCAGCAAAGCCTACAGCAG  
 GGGCCTGGAGAAGGCAGGGCTCCTACCAAGGCCGAGATGGACCAGATACTCCATGGCCTAGACAAGGTG  
 GCTGAGGAGTGGGCCAGGGCACCTTCAAAGTGAAGTCCAATGATGAGGACATCCACACAGCCAATGAGC  
 GCCGCTGAAGGAGCTCATTGGTGAACGGCAGGGAAGCTGCACACGGGACGGAGCCGGAATGACCAGGT  
 GGTACAGACCTCAGGCTGTGGATGCGGCAGACCTGCTCCACGCTCTCGGGCCTCCTCTGGGAGCTCATT  
 AGGACCATGGTGGATCGGGCAGAGCGGAACGTGATGTTCTTCCCGGGGTACACCCATTTGCAGAGGG  
 CCCAGCCCATCCGCTGGAGCCACTGGATTCTGAGCCACGCCGTGGCACTGACCCGAGACTCTGAGCGGCT  
 GCTGGAGTGCGAAGCGGATCAATGTCTGCCCTGGGGAGTGGGGCCATTGCAGGCAATCCCCTGGGT  
 GTGGACCGAGAGCTGCTCCGAGCAGAATCAACTTTGGGGCCATCACTCTCAACAGCATGGATGCCACTA  
 GTGAGCGGGACTTTGTGGCCGAGTTCCTGTTCTGGGCTTCGCTGTGCATGACCCATCTCAGCAGGATGGC  
 CGAGGACCTCATCCTCTACTGCACCAAGGAATTCAGCTTCGTGCAGCTCTCAGATGCCTACAGCAGGGGA  
 AGCAGCCTGATGCCCCAGAAGAAAAACCCCGACAGTTTGGAGCTGATCCGGAGCAAGGCTGGGCGTGTGT  
 TTGGGCGGTGTGCCGGCTCCTGATGACCCTCAAGGGACTTCCCAGCACCTACAACAAAGACTTACAGGA  
 GGACAAGGAAGCTGTGTTGAAGTGTGACAGACTATGAGTGCCGTGCTCCAGGTGGCCACTGGCGTCATC  
 TCTACGCTGCAGATTACCAAGAGAACATGGGACAGGCTCTCAGCCCCGACATGCTGGCCACTGACCTTG  
 CCTATTACCTGGTCCGAAAGGGATGCCATTCCGCCAGGCCACGAGGCCCTCCGGAAAGCTGTGTTCA  
 GGCCGAGACCAAGGGGGTCCGCTCAACCAGTGTCACTGCAGGAGCTGCAGACCATCAGCCCCCTGTTCT  
 TCGGGCAGCTGATCTGCGTGTGGGACTACGGGCACAGTGTGGAGCAGTATGGTCCCTGGGCGGCACTG  
 CGCGCTCCAGCGTCTGACTGGCAGATCCGCCAGGTGCGGGCGCTACTGCAGGCACAGCAGGCC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC201568 protein sequence  
 Red=Cloning site Green=Tags(s)

MASESGKLWGGRFVGAVDPIMEKFNASIAAYDRHLWEVDVQGSKAYSRLGKAGLLTKAEMDQILHGLDKV  
 AEEWAQGTFLKNSNDEDIHTANERRLKEIGATAGKLHTGRSRNDQVVTDLRLWMRQTCSTLSGLLWELI  
 RTMVDRAEAERDVLFPGYTHLQRAQPIRWSHWILSHAVALTRDSERLLEVRKRINVLPLGSGAIAGNPLG  
 VDRELLRAELNFGAITLNSMDATSERDFVAEFLFWASLCMTHLSRMAEDLILYCTKEFSFVQLSDAYSTG  
 SSLMPQKKNPDSLELIRSKAGRVFGRGAGLLMTLKGLPSTYNKDLQEDKEAVFEVSDTMSAVLQVATGVI  
 STLQIHQENMGQALSPDMLATDLAYLVRKGMFPRQAHEASGKAVFMAETKGVALLNQLSLQELQTI SPLF  
 SGDVICVWDYGHVSEQYALGGTARSSVDWQIRQVRALLQAQQA

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_001024943

**ORF Size:**

1392 bp

**Buffer:**

PBS with 0.001% Pluronic F68

<b>Stability:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_001024943.1</a></u>
<b>RefSeq Size:</b>	2061 bp
<b>RefSeq ORF:</b>	1395 bp
<b>Locus ID:</b>	435
<b>UniProt ID:</b>	<u><a href="#">P04424</a></u>
<b>Cytogenetics:</b>	7q11.21
<b>MW:</b>	51.7 kDa