

## Product datasheet for **RC234409A1V**

### Human SLC33A1 (NM\_001190992) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human SLC33A1 (NM_001190992) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC33A1
Synonyms:	ACATN; AT-1; AT1; CCHLND; SPG42
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide Sequence:**

>RC234409 representing NM\_001190992  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCACCCACCATCTCCACAAGGACAGCAGCCGGCAACGGCGGCCAGGAATTCAGTCACTCTCTGG  
 ATATGAAGAGCGGTCCCCTGCCGCCAGGCGGTTGGGATGACAGTCATTTGGACTCAGCGGCCGGGAAGG  
 GGACAGAGAAGCTCTTCTGGGGGATACCGGCACTGGCGACTTCTTAAAAGCCCCACAGAGCTTCCGGGCC  
 GAACTAAGCAGCATTCTGCTACTACTCTTTCTTACGTGCTTCAGGGTATCCCTCGGGCTTGGCGGGAA  
 GCATCCCACCTCATTTTGCAAAGCAAAAATGTTAGCTATACAGACCAAGCTTTCTCAGTTTTGCTTTTTG  
 GCCCTTCACTCTCAAATTACTCTGGGCCCGTTGGTTGATGCGGTCTACGTTAAGAACTCGGTCGTCGC  
 AAATCTGGCTTGTCCGACACAGTATATACTAGGACTCTTCATGATCTATTTATCCACTCAGGTGGACC  
 GTTTGCTTGGGAATACCGATGACAGAACACCCGACGTATTGCTCTCACTGTGGCGTTCTTTTTGTTTGA  
 ATCTTGGCCGCCACTCAGGACATTGCCGTCGATGGTTGGCGTTAACTATGTTATCCAGGAAAATGTG  
 GTTATGCTTCTACTTGAATTCGGTGGCCAAACAGCGGGTACTTTTTGGGCAATGTTTTGTTTTTGG  
 CCCTTGAATCTGCCGACTTTTTGTAACAATATTTGCGGTTTCAGCCTCAACCCAGAGGAATCGTACTCT  
 TTCAGATTTCTTTTTTCTGGGGAAGTGTATTTTAAACAACAACATTGGTTGCCCTTCTGAAAAA  
 GAAAACGAAGTATCAGTAGTAAAAGAAGAAACAAGGATCACAGATACTTACAAGCTGCTTTTTGCAA  
 TTATAAAAATGCCAGCAGTCTGACATTTTGCCTTCTGATTCTAACTGCAAAGATTGGTTTTTTCAGCAGC  
 AGATGCTGTAACAGGACTGAAATGGTAGAAGAGGGAGTACCCAAAGAACATTTAGCCTTATTGGCAGTT  
 CCAATGGTTCCTTTGCAGATAAATACTGCCTCTGATTATCAGCAAATACACTGCAGGTCCCAGCCATTAA  
 ACATCTTTTACAAAGCCATGCCCTACAGATTATTGCTTGGGTTAGAATATGCCCTACTGGTTTGGTGGAC  
 TCCTAAAGTAGAACATCAAGGGGGATTCCCTATATACTATATCGTAGTCCTGCTGAGTTATGCTTTA  
 CATCAGGTTACAGTGTACAGCATGTATGTTTCTATAATGGCTTCAATGCAAAGTTAGTGATCCACTTA  
 TTGGAGGAACATACATGACCCTTTTAAATACCGTGTCCAATCTGGGAGGAAAAGTGGCCTTCTACAGTAGC  
 TCTTTGGCTTGTAGATCCCTCACAGTAAAAGAGTGTGTAGGAGCATCAAACCAGAAATTGCGAACACCT  
 GATGCTGTTGAGCTTTGCAAAAAGTGGTGGCTCATGTGTTACAGCCCTGGATGGTTATTATGTGGAGT  
 CCATTATTTGTTTTTATTGGATTTGGTTGGTGGTCTTTCTTGGTCCAAAATTTAAAAAGTTACAGGA  
 TGAAGGATCATCTTCGTGAAAATGCAAAGGAACAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

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MSPTISHKDSSRQRRPGNFSHSLDMKSGPLPPGGWDDSHLDSAGREGDREALLGDTGTGDFLKAPQSFRA  
 ELSSILLLLFLYVLQGIPLGLAGSIPLILQSKNVSYTDQAFFSFVFWPFLKLLWAPLVDVYVKNFGRR  
 KSWLVPTQYILGLFMIYLSQVDRLLGNTDRTDPVIALTVAFFLFEFLAATQDIAVDGWALTMLSRENV  
 GYASTCNSVGQTAGYFLGNVFLALESADFCKNYLRFQPQPRGIVTLDFFLFFWGTVFLITTTLVALLKK  
 ENEVSVVKEETQGITDITYKLLFAIKMPAVLTFCLLILTAKIGFSAADAVTGLKLVEEGVPKEHLALLAV  
 PMVPLQIILPLIISKYTAGPQLNTFYKAMPYRLLLGLEYALLVWVTPKVEHQGGFPIIYIYIVVLLSYAL  
 HQVTVYSMYVSIAMFNAKVSDFLIGGTYMTLLNTVSNLGGNWPSTVALWLDPLTVKECVGASNQNCRTPL  
 DAVELCKKLGSCVTALDGYVSEIICVFIGFVWFFLGPFFKLLQDEGSSSWKCKRNN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_001190992

<b>ORF Size:</b>	1647 bp
<b>Buffer:</b>	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>NM_001190992.1, NP_001177921.1</u>
<b>RefSeq Size:</b>	2449 bp
<b>RefSeq ORF:</b>	1650 bp
<b>Locus ID:</b>	9197
<b>UniProt ID:</b>	<u>O00400</u>
<b>Cytogenetics:</b>	3q25.31
<b>MW:</b>	60.9 kDa