

Product datasheet for **RC216525A1V**

Human SLC41A1 (NM_173854) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SLC41A1 (NM_173854) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC41A1
Synonyms:	MgtE
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC216525 representing NM_173854
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCTCTAAGCCAGAGCCGAAGGACGTCCACCAACTGAACGGGACTGGCCCTTCTGCCTCTCCCTGCT
 CTTAGATGGCCAGGGAGAGAGCCCTTGGCTGGGACCTCAGAGTTCTGGGGCCTGATGGGGCTGGGT
 AGAGGTGGTATTGAGTCTCGGGCCAACGCCAAGGGGTTCTGGGAGGAGACGCCCTGCTGGAGAACGGG
 AGCCAGAGCAACGAAAGTGACGACGTACGACAGACCGTGGCCCTGCGCCACCTTCCCCGCTCAAGGAGA
 CCTCCTTTTCCATCGGGCTGCAAGTACTGTTTCCATTCTCTGGCAGGCTTTGGGACCGTGGCTGCTGG
 CATGGTGTGGACATCGTGCAGCACTGGGAAGTCTCCAGAAGGTGACAGAGGTCTTCATCTAGTGCCT
 GCGCTGCTGGGGCTCAAAGGGAACCTGGAAATGACCCTGGCATCAAGGCTTTCCACTGCAGCCAACATTG
 GACACATGGACACACCAAGGAGCTCTGGCGGATGATCACTGGGAACATGGCCCTCATCCAGGTGCAGGC
 CACGGTGGTGGGCTTCTGGCGTCCATCGCAGCGTCGCTTTGGCTGGATCCCTGATGGCCACTTCAGT
 ATTCGCGACGCCCTTCTGCTCTGTGCTAGCAGCGTGGCCACAGCCTTCATTGCCTCCCTGGTACTGGGTA
 TGATCATGATTGGAGTCATCATTGGCTCTCGCAAGATTGGGATCAACCCAGACAACGTGGCCACACCCAT
 TGCTGCCAGCCTGGGCGACCTCATCACCTTGGCGCTGCTCTCAGGCATCAGCTGGGGACTCTACCTGGAA
 CTGAATCACTGGCGATACATCTACCCACTGGTGTGTGCTTTCTTTGTGGCCCTGCTGCCTGTCTGGGTG
 TGCTGGCCCGACGAAGTCCAGCCACAAGGGAGGTGTTGTAAGTCTGGGCTGGGAGCCTGTTATCATTGCCAT
 GGCCATCAGCAGTGTGGGAGGCTCATCTTGGACAAGACTGTCTCAGACCCCACTTTGCTGGGATGGCT
 GTCTTCACGCCCTGTGATTAATGGTGTGGGGCAATCTGGTGGCAGTGCAGGCCAGCCGATCTCCACCT
 TCCTGCACATGAATGGAATGCCCGGAGAGAACTCTGAGCAAGCTCCTCGCCGCTGTCCCAGTCTTGTAC
 CACCTTCTTCAGCCCTGATGTGAATTCCTGCTCAGCCCGGCTCCTTCTCCTCTCGTGGTCCAGGACAC
 CTGGTGTCTCTACACCATCAGCTGTATGCAGGGCGGGCACACCACCTCACACTCATCTTCATCATCT
 TCTATATGACAGCTGCACTGCTCCAGGTGCTGATTCTCTGTACATCGCAGACTGGATGGTGCAGTGGAT
 GTGGGGCGGGGCTGGACCCGGAACCTTCTCCATCCATACTTGACTGCTCTGGGGGACCTGCTTGGC
 ACTGGGCTCTAGCACTCAGCTTCCATGTTCTCTGGCTCATAGGGGACCGAGACCGATGTCTGGGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216525 representing NM_173854
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MSSKPEPKDVHQLNGTGPSASPCSSDGPGRPLAGTSEFLGPDGAGVEVVIESRANAKGVREEDALLENG
 SQSNESDDVSTDRGPAPPSPLKETSFSIGLQVLPFLLAGFTVAAGMVLDIVQHWEVFQKVTEVFILVP
 ALLGLKGNLEMTLASRLSTAANIGHMDTPKELWRMITGNMALIQVQATVVGFLASIAAVVFGWIPDGHFS
 IPHAFLLCASSVATAFIASLVLMIMIGVIGSRKIGINPDNVATPIAASLGLITLALLSGISWGLYLE
 LNHWRYYIPLVCAFFVALLPVWVVLARRSPATREVLVSGWEPVIIAMAISSVGLILDKTVSDPNFAGMA
 VFTPVINGVGGNLVAVQASRISTFLHMNGMPGENSEQAPRRCPSPCTTFFSPDVNSRSARVFLLVVPGH
 LVFLYTISCMQGGHTTLTIFIIFYMTAALLQVLLILLYIADWMVHWMWGRGLDPDNFSIPYLTALGDLG
 TGLLALSFHVLWLIIGDRDTPDVG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_173854

ORF Size:

1539 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_173854.4</u>
RefSeq Size:	4869 bp
RefSeq ORF:	1542 bp
Locus ID:	254428
UniProt ID:	<u>Q8IVJ1</u>
Cytogenetics:	1q32.1
MW:	54.7 kDa