

Product datasheet for **RC201915A1V**

Human SLC17A5 (NM_012434) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SLC17A5 (NM_012434) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC17A5
Synonyms:	AST; ISSD; NSD; SD; SIALIN; SIASD; SLD
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC201915 representing NM_012434
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAGGTCCTCGGTTTCGAGACCTGGCCCGAACGATGGCGAGGAGAGCACGGACCGCACGCCTCTTCTAC
 CGGGCGCCCCACGGGCCGAAGCCGCTCCAGTGTGCTGCTCTGCTCGTTACAACCTAGCAATTTTGGCCTT
 TTTTGGTTTCTTCATTGTGTATGCATTACGTGTGAATCTGAGTGTTCGTTAGTGGATATGGTAGATTCA
 AATACAACCTTTAGAAGATAATAGAACTTCCAAGGCATGTCCAGAGCATTCTGCTCCCATAAAAAGTTCATC
 ATAATCAAACGGGTAAGAAGTACCAATGGGATGCAGAACTCAAGGATGGATTCTCGTTCTTTTTTTTA
 TGGCTACATCATCACAGATTCTGGAGGATATGTTGCCAGCAAAATAGGGGGGAAAATGCTGCTAGGA
 TTTGGGATCCTTGGCACTGCTGTCTCACCTGTTCACTCCCATTGCTGCAGATTTAGGAGTTGGACCAC
 TCATTGTACTCAGAGCACTAGAAGGACTAGGAGAGGGTGTACATTTCCAGCCATGCATGCCATGTGGTC
 TTCTTGGGCTCCCCCTCTTGAAGAAGCAAACTTCTTAGCATTTTCATATGCAGGAGCACAGCTTGGGACA
 GTAATTTCTCTTCTCTTCTGGAATAATTTGCTACTATATGAATTGGACTTATGCTTCTACTTTTTTG
 GTACTATTGGAATATTTTGGTTTCTTTTGTGGATCTGGTTAGTTAGTGACACACCACAAAAACACAAGAG
 AATTTCCCATTTATGAAAAGGAATACATTTCTTCATCATTAAGAAATCAGCTTTCTTCACAGAAGTCAGTG
 CCGTGGGTACCATTTTAAAAATCCCTGCCACTTTGGGCTATCGTAGTTGCACACTTTTCTTACAAGTGA
 CTTTTTATACTTTATTGACATTATTCCTACTTATATGAAGGAGATCCTAAGGTTCAATGTTCAAGAGAA
 TGGGTTTTTATCTTCATTGCCTTATTTAGGCTCTTGGTTATGTATGATCCTGTCTGGTCAAGCTGCTGAC
 AATTTAAGGGCAAAATGGAATTTTCACTTTATGTGTTTCGAGAATTTTTCAGCTTATAGGAATGATTG
 GACCTGCAGTATTCCTGGTAGCTGTGGCTTCATTGGCTGTGATTATTTCTTGGCCGTTGCTTTCTTAAC
 TATATCAACAACACTGGGAGGCTTTTGCTCTTCTGGAATTAGCATCAACCATCTGGATATTGCTCCTTCG
 TATGCTGGTATCCTCCTGGGCATCACAATACATTTGCCACTATTCCAGGAATGGTTGGGCCCGTCATTG
 CTAAGTCTGACCCCTGATAACACTGTTGGAGAATGGCAAACCGTGTCTATATTGCTGCTGCTATTAA
 TGTTTTTGGTGCCATTTTCTTTACACTATTCGCCAAAGGTGAAGTACAAAACCTGGGCTCTCAATGATCAC
 CATGGACACAGACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MRSPVRDLARNDGEESTDRTPLLPGAPRAEAPVCCSARYNLAILAFFGFFIVYALRVNLSVALVDMVDS
 NTTLEDNRTSKACPEHSAPIKVHHNQTKKYQWDAETQGWILGSFFYGYIITQIPGGYVASKIGGKMLLG
 FGILGTAVLTLFTPIAADLGVGPLIVLRALEGLGEGVTFPAMHAMWSSWAPPLERSKLLISYAGAQLGT
 VISLPLSGIICYMNWTVFYFFGTIGIFWLLWIWLVSDTPQKHKRISHYEKEYILSSLRNQLSSQKSV
 PWVPILKSLPLWAIIVAHFSYNWTFYLLTLLPTYMKEILRFNVQENGLSSLPYLGSWLCMILSGQAAD
 NLRKWNFSTLCVRRIFSLIGMIGPAVFLVAAGFIGDYSLAVAFITISTTLGGFCSSGFSINHLDIAPS
 YAGILLGITNTFATIPGMVGPVIAKSLTPDNTVGEWQTVFYIAAAINVFGAIFFTLFAKGEVQNWALNDH
 HGHRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_012434

ORF Size:

1485 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_012434.3, NP_036566.1</u>
RefSeq Size:	3292 bp
RefSeq ORF:	1488 bp
Locus ID:	26503
UniProt ID:	<u>Q9NRA2</u>
Cytogenetics:	6q13
MW:	54.5 kDa