

Product datasheet for **RC204182A1V**

Human SLC1A7 (NM_006671) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SLC1A7 (NM_006671) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC1A7
Synonyms:	AAAT; EAAT5
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC204182 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGC

ATGGTGCCGCATGCCATCTTGGCACGGGGAGGGACGTGTGCAGGCGGAATGGACTCCTCATCTGTCTG
 TGCTGTCTGTCATCGTGGGCTGCCTCCTCGGCTTCTTCTTGAGGACCCGGCGCCTCTCACCACAGGAAAT
 TAGTTACTTCCAGTTCCTGGAGAGCTCCTGATGAGGATGCTGAAGATGATGATCCTGCCACTGGTGGTC
 TCCAGCTTGATGTCCGGACTTGCCTCCCTGGATGCCAAGACCTCTAGCCGCTGGGCGTCTCACCCTGG
 CGTACTACCTGTGGACACCTTCATGGCTGTATCGTGGGCATCTTCATGGTCTCCATCATCCACCCAGG
 CAGCGCGGCCCAGAAGGAGACCACGGAGCAGAGTGGGAAGCCCATCATGAGCTCAGCCGATGCCCTGTTG
 GACCTCATCCGAACATGTTCCAGCCAACCTAGTAGAAGCCACATTCAAACAGTACCGACCAAGACCA
 CCCCAGTTGTCAAGTCCCCAAGGTGGCACCAGAGGAGGCCCTCCTCGGCGGATCCTCATCTACGGGGT
 CCAGGAGGAGAATGGCTCCCATGTGCAGAACTTCGCCCTGGACCTGACCCGCGCCCGAGGTGCTTTAC
 AAGTCAGAGCCGGGCACCGAGCATGGCATGAATGTGCTGGGCATCGTCTTCTTCTCTGCCACCATGGGCA
 TCATGCTGGGCCGCATGGGTGACAGCGGGGCCCTGGTTCAGCTTCTGCCAGTGCCTCAATGAGTCGGT
 CATGAAGATCGTGGCGGTGGCTGTGTGTTATTTCCCTTCGGCATTGTGTTCTCATTGCGGGTAAGATC
 CTGGAGATGGACGACCCAGGGCCGTCGGCAAGAAGCTGGGCTTCTACTCAGTACCCTGGTGTGCGGGC
 TGGTGTCCACGGGCTCTTTATCCTGCCCTGCTCTACTTCTTCATCACCAGAAGAATCCCATCGTCTT
 CATCCGCGGCATCCTGCAGGCTCTGCTCATCGCGCTGGCCACCTCCTCCAGCTCAGCCACACTGCCCATC
 ACCTTCAAGTGCCTGCTGGAGAACAACCACATCGACCGCGCATCGCTCGCTTCGTGCTGCCCGTGGGTG
 CCACCATCAACATGGACGGCACTGCGCTCTACGAGGCTGTGGCCGCCATCTTCATCGCCAGGTCAACAA
 CTACGAGCTGGACTTTGGCCAGATCATACCATCAGTATCACAGCCACTGCAGCCAGCATTGGGGCAGCT
 GGCATCCCCCAGGCCGGCTCGTCACCATGGTATCGTCTCACCTCCGTGGGACTGCCACCGATGACA
 TCACCCTCATATTGCCGTTGACTGGGCTCTGGACCGTTTCCGCACCATGATTAACTGCTGGGTGATGC
 GCTGGCAGCGGGATCATGGCCATATATGTCGGAAGGATTTGCCCGGGACACAGGCACCGAGAACTG
 CTGCCCTGCGAGACCAAGCCAGTGAGCCTCCAGGAGATCGTGGCAGCCAGCAGAATGGCTGTGTGAAGA
 GTGTAGCCGAGGCTCCGAGCTCACCTGGGCCCCACCTGCCCCACCACGTCCCGTTCAAGTGGAGCG
 GGATGAGGAGCTGCCCGCTGCGAGTCTGAACCACTGCACCATCCAGATCAGCGAGCTGGAGACCAATGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204182 protein sequence
 Red=Cloning site Green=Tags(s)

MVPHAILARGRDVCRNGLLILSVLSVIVGCLLGFLLRTRRLSPQEISYFQFPGELLMRMLKMMILPLVV
 SSLMSGLASLDAKTSSRLGVLTVAYYLWTFMAVIVGIFMVSIHPGSAAQKETTEQSGKPIIMSSADALL
 DLIRNMFANLVEATFKYRTKTPVVKSPKVAPEEAPRRILYGVQEENGSHVQNFALDLTPPEVVY
 KSEPGTSDGMNVLGIVFFSATMGIMLGRMGDSGAPLVSFQCLNESVMKIVAVAVVYFPFGIVFLIAGKI
 LEMDDPRAVGKKGIFYSVTVCGLVLHGLFILPLLFFITKKNPIVIRGILQALLIALATSSSSATLPI
 TFKCLLENNHIDRRIARFVLPVGATINMDGTALYEAVAAIFIAQVNNYELDFGQIITISITATAASIGAA
 GIPQAGLVTMIVLTSVGLPTDDITLIIAVDWALDRFTMINVLGDALAGIMAHICRKDFARDTGTEKL
 LPCETKPVSLQEIVAAQNGCVKSVAEASELTGPTCPHHVPVQVERDEELPAASLNHCTIQISELETNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_006671

ORF Size:	1680 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_006671.3, NP_006662.2</u>
RefSeq Size:	2696 bp
RefSeq ORF:	1683 bp
Locus ID:	6512
UniProt ID:	<u>O00341</u>
Cytogenetics:	1p32.3
MW:	60.7 kDa