OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC200122A1V

Human SLC38A7 (NM_018231) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	SLC38A7
Synonyms:	SNAT7
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)

ORF Nucleotide Sequence:

>RC200122 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCAGGTCAGCATCAACAATGACTACAGCGAGTGGGACTTGAGCACGGATGCCGGGGAGCGGGCTC
GGCTGCTGCAGAGTCCCTGTGTGGACACAGCCCCCAAGAGTGAGTGGGAAGCCTCTCCTGGGGGTCTGGA
CAGAGGCACCACTTCCACACTTGGGGCCATCTTCATCGTCGTCAACGCGTGCCTGGGTGCAGGGTTACTC
AACTTCCCAGCAGCCTTCAGCACTGCGGGGGGCGTGGCAGCAGGCATCGCACTGCAGATGGGTATGCTGG
TTTTCATCATCAGTGGCCTTGTCATCCTGGCCTACTGCTCCCAGGCCAGCAATGAGAGGACCTACCAGGA
GGTGGTATGGGCTGTGTGTGGCAAGCTGACAGGTGTGCTATGTGAGGTGGCCATCGCTGTCTACACCTTT
GGCACCTGCATTGCCTTCCTAATCATCATTGGCGACCAGCAGGACAAGATTATAGCTGTGATGGCGAAAG
AGCCGGAGGGGGCCAGCGGCCCTTGGTACACAGACCGCAAGTTCACCATCAGCCTCACTGCCTTCCTCTT
CATCCTGCCCCTCTCCATCCCCAGGGAGATTGGTTTCCAGAAATATGCCAGCTTCCTGAGCGTCGTGGGT
ACCTGGTACGTCACAGCCATCGTTATCATCAAGTACATCTGGCCAGATAAAGAGATGACCCCAGGGAACA
TCCTGACCAGGCCGGCTTCCTGGATGGCTGTGTTCAATGCCATGCCCACCATCTGCTTCGGATTTCAGTG
CCACGTCAGCAGTGTGCCCGTCTTCAACAGCATGCAGCAGCCTGAAGTGAAGACCTGGGGTGGAGTGGTG
ACAGCTGCCATGGTCATAGCCCTCGCTGTCTACATGGGGACAGGCATCTGTGGCTTCCTGACCTTTGGAG
CTGCTGTGGATCCTGACGTGCTCCTGTCCTATCCCTCGGAGGACATGGCCGTGGCCGTTGCCCGAGCCTT
CATCATCCTGAGCGTGCTCACCTCCTACCCTATCCTGCACTTCTGTGGGCGGGCGGTGGTGGAAGGCCTG
TGGCTGCGCTACCAGGGGGTGCCAGTGGAGGAGGACGTGGGGCGGGAGCGGCGGCGGCGAGTGCTGCAGA
CGCTGGTCTGGTTCCTGCTCACCCTGCTGCTGGCGCTCTTCATCCCTGACATCGGCAAGGTGATCTCAGT
CATTGGAGGCCTGGCCGCCTGCTTCATCTTCGTCTTCCCAGGGCTGTGCCTCATTCAAGCCAAACTCTCT
GAGATGGAAGAGGTCAAACCAGCCAGCTGGTGGGTGCTGGTCAGCTACGGAGTCCTCTTGGTCACCCTGG
GAGCCTTCATCTTCGGCCAGACCACAGCCAACGCCATCTTTGTGGATCTCTTGGCA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC200122 protein sequence
Red=Cloning site Green=Tags(s)

MAQVSINNDYSEWDLSTDAGERARLLQSPCVDTAPKSEWEASPGGLDRGTTSTLGAIFIVVNACLGAGLL
NFPAAFSTAGGVAAGIALQMGMLVFIISGLVILAYCSQASNERTYQEVVWAVCGKLTGVLCEVAIAVYTF
GTCIAFLIIIGDQQDKIIAVMAKEPEGASGPWYTDRKFTISLTAFLFILPLSIPREIGFQKYASFLSVVG
TWYVTAIVIIKYIWPDKEMTPGNILTRPASWMAVFNAMPTICFGFQCHVSSVPVFNSMQQPEVKTWGGVV
TAAMVIALAVYMGTGICGFLTFGAAVDPDVLLSYPSEDMAVAVARAFIILSVLTSYPILHFCGRAVVEGL
WLRYQGVPVEEDVGRERRRRVLQTLVWFLLTLLLALFIPDIGKVISVIGGLAACFIFVFPGLCLIQAKLS
EMEEVKPASWWVLVSYGVLLVTLGAFIFGQTTANAIFVDLLA

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_018231

ORF Size: 1386 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: NM_018231.1

RefSeq Size: 2773 bp

RefSeq ORF: 1389 bp

Locus ID: 55238

UniProt ID: Q9NVC3

Cytogenetics: 16q21

MW: 50 kDa