

Product datasheet for **RC201892A1V**

Human SLC38A2 (NM_018976) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SLC38A2 (NM_018976) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC38A2
Synonyms:	ATA2; PRO1068; SAT2; SNAT2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC201892 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGAAGGCCGAAATGGGACGATTCACTATTTCCCGGATGAAGACAGCAGCAGCTACAGTTCCAACA
 GCGACTTCAACTACTCTACCCACCAAGCAAGCTGCTCTGAAAAGCCATTATGCAGATGTAGATCCTGA
 AAACCAGAACTTTTACTTGAATCGAATTTGGGGAAGAAGAAGTATGAAACAGAAATTCATCCAGGTACT
 ACTTCCTTTGGAATGTCAGTATTTAATCTGAGCAATGCGATTGTGGGAGTGGAAATCCTTGGGCTTTCTT
 ATGCCATGGCTAATACTGGAATTGCTCTTTTATAATTCTCTTGACATTTGTGTCAATATTTCCCTGTA
 TTCTGTTCATCTCCTTTGAAGACTGCCAATGAAGGAGGGTCTTTATTATATGAACAATTGGGATATAAG
 GCATTTGGATTAGTTGGAAAGCTTGACGATCTGGATCAATTACAATGCAGAACATTGGAGCTATGTCAA
 GCTACCTCTTCATAGTAAATATGAGTTGCCTTTGGTGATCCAGGCATTAACGAACATTGAAGATAAAAC
 TGGATTGTGGTATCTGAACGGGAATTTGGTTCTGTTGGTGTATTGGTGGTATTCTTCCTTTGTGCG
 CTGTTTAGAAATTTAGGATATTTGGGATATACCAAGTGGCCTTTCTTGTGTGTATGGTGTCTTTCTGTA
 TTGTGGTCATTTGCAAGAAATTTCAAGTTCCTGTGGAAGCTGCTTTGATAATTAACGAAACAAT
 AAACACCACCTTAACACAGCCAAACAGCTCTTGACCTGCTTTGTACATAACGTGACTGAAAATGACTCT
 TGCAGACCTCACTATTTTATTTCAACTCACAGACTGTCTATGCTGTGCCAATTTCTGATCTTTTCATTTG
 TCTGTCATCCTGCTGTTCTTCCCATCTATGAAGAACTGAAAGACCGCAGCCGTAAGAATGATGAATGT
 GTCCAAGATTTCAATTTTGTATGTTTCTCATGTATCTGCTTCCCGCCTCTTTGGATACCTAACATTT
 TACGAACATGTTGAGTCAGAATTGCTTCATACCTACTCTCTATCTTGGGAAGTATATCTTCTCTCA
 TTGTCCTGCTGGCTGTGTTAATGGCTGTGACCTGACAGTACCAGTAGTTATTTCCCAATCCGGAGTTC
 TGTAACTCACTTGTGTGTGCATCAAAAGATTTCAAGTTGGTGGCGTCATAGTCTCATTACAGTGTCTATC
 TTGGCATTTACCAATTTACTTGTCTCTTTGTCCCACTATTAGGGATATCTTTGGTTTTATTGGTGCAT
 CTGCAGCTTCTATGTTGATTTTATTCTTCTCTGCTTCTATATCAAGTTGGTGAAGAAAGAACCTAT
 GAAATCTGTACAAAGATTGGGGCTTTGTTCTTCTGTTAAGTGGTGTACTGGTGTGACCGGAAGCATG
 GCCTTGATTGTTTGGATTGGGTACACAATGCACCTGGAGGTGGCCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201892 protein sequence
 Red=Cloning site Green=Tags(s)

MKKAEMGRFSISPDESSSYSSNSDFNYSYPTKQAALKSHYADVDPENQNFLLESNLGKKKYETEFHPGT
 TSFGMSVFNLSNAIVGSGILGLSYAMANTGIALFIILLTFVSIIFSLYSVHLLKTANEGGSLLYEQLGYK
 AFGLVGKLAASGSITMQNIGAMSSYLFIVKYELPLVIQALTNIEDKTGLWYLNNGNYLVLLVSLVILPLS
 LFRNLGYLGYTSGLSLLCMVFLLIVVICKKFQVPCPVEAALIINETINTLTQPTALVPALSHNVTENDS
 CRPHYFIFNSQTVYAVPILIFSVCHPAVLPIYEELKDRSRRMMNVSKISFFAMFLMYLLAALFGYLT
 YEHVESELLHTYSSILGTDILLIVRLAVLMAVTLTPVVIFPIRSSVTHLLCASKDFSWRHSLITVSI
 LAFTNLLVIFVPTIRDIFGFIGASAASMLIFILPSAFYIKLVKKEPMKSVQKIGALFLLSGVLVMTGSM
 ALIVLDWVHNAPGGGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_018976

ORF Size:

1518 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_018976.3</u>
RefSeq Size:	4961 bp
RefSeq ORF:	1521 bp
Locus ID:	54407
UniProt ID:	<u>Q96QD8</u>
Cytogenetics:	12q13.11
MW:	56 kDa