

Product datasheet for **RC208294A1V**

Human SLC5A12 (NM_178498) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SLC5A12 (NM_178498) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC5A12
Synonyms:	SMCT2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC208294 representing NM_178498
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGGTGAAGAACTTTGCAGTTTGGGATTATGTTGATTTGCAGCCCTCTTTTCATTTCCTCTGGAA
 TTGGGGTGTCTTTGCCATTAAGGAGAGAAAAAGGCAACTTCCCGAGAGTTCCCTGGTTGGGGGAAGGCA
 AATGAGCTTTGGCCCTGTCGGCTTGTCTCTGACAGCCAGCTTCATGTCAGCTGTACGGTCTGGGGACC
 CCTTCTGAAGTCTACCGCTTTGGGGCATCCTTCTAGTCTTCTTTCATTGCTTACCTATTTGTATCCTCT
 TAACATCAGAGCTCTTCTCCCTGTGTTCTACAGATCTGGTATCACCAGCACTTATGAGTACTTACAAC
 ACGATTCAACAAACCAGTTCGCTATGCTGCCACGGTCATCTACATTGTACAGACGATTCTCTACACAGGA
 GTGGTGGTGTATGCTCCTGCCCTGGCACTCAATCAAGTACTGGGTTTGATCTCTGGGGCTCTGTGTTG
 CAACAGGAATTGTTTGCACATTCTACTGTACCCTGGGAGGATTAAGAGCAGTGGTGTGGACAGATGCATT
 TCAGATGGTGTGATGATTGTGGGCTTCTTAACGGTTCCTTCAAGGATCAACTCATGTGGGGGATTC
 CACAATGTATTAGAGCAATCAACAAATGGATCTCGACTACATATATTTGACTTTGATGTAGATCCTCTCA
 GGCGACACACTTTTGGACTATCACAGTGGGAGGAACCTTTACTTGGCTCGGAATCTATGGGGTCAATCA
 ATCAACTATTCAGCGATGCATCTCTTGCAAAACAGAAAAGCATGCTAAGCTTGCCTTGTATTTAACTTG
 CTGGGTCTCTGGATCATTCTGGTGTGTGCTGTCTTCTCTGGCTTAATCATGTACTCTCACTTTAAAGACT
 GTGACCCTTGGACTTCTGGCATCATCTCAGCACCAGACCACTGATGCCGTACTTTGTATGGAGATATT
 TGCCACAATGCCAGGACTGCCAGGACTTTTGTGGCTTGTGCCTTCAGTGGAACCTCTGAGCACCCTGGCT
 TCCAGCATCAATGCCTTGGCAACAGTGACCTTTGAGGATTTGTCAAGAGCTGTTTCTCATCTCTCCG
 ACAAGCTGAGCACCTGGATCAGTAAAGGCTTATGTCTCTTATTTGGCGTGATGTGTACCTCTATGGCTGT
 GGCTGCATCTGTGATGGGAGGTGTTGTGACGGCTTCCCTCAGCATTACGGCATGTGTGGAGGACCAATG
 CTGGGCTTATTCTCCCTGGGAATCGTGTTCCTTTTGTGAATTGGAAGGTCAGTGGAGGCTCTCTTA
 CTGGAATCACCTTGTCTTTTGGGTGGCCATTGGGGCTTCACTTACCCTGCACCAGCCTCTAAGACATG
 GCCTTTGCCTCTGTCAACAGACCAATGTATCAAATCAAATGTGACAGCAACAGGGCCTCCAGTACTATCC
 AGCAGACCTGGAATAGCTGATACCTGGTACTCGATCTCCTACCTTTACTACAGTGCAGTGGGCTGCTTAG
 GATGCATTGTTGCTGGAGTAATCATCAGCCTCATAACAGGTCGCCAAGAGGTGAGGATATTCAACCACT
 GTTAATTAGACCAGTTTGAATTTATTTTGTCTTTTGGTCTAAGAAGTACAAAACACTATGCTGGTGTGGA
 GTTCAGCATGACAGTGGGACAGAGCAGGAAAACCTTGAGAATGGCAGTGCCCGGAAACAGGGGGCTGAAT
 CTGTCTTACAGAACGGACTCAGAAGAGAAAGCCTGGTACATGTTCCAGGCTATGATCCTAAGGACAAAAG
 CTACAACAATATGGCATTGAGACTACCCATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MEVKNFAVWDYVFAALFFISSGIGVFFAIKERKKATSREFLVGGRQMSFGPVGLSLTASFMSAVTVLGT
 PSEVYRFGASFLVFFIAYLFVILLTSELFLPVFYRSGITSTYEYLQLRFNKPVRYAATVIYIVQITILYTG
 VVVYAPALALNQVTGFDLWGSVFATGIVCTFYCTLGGLKAVVWTDAFQMVVMIVGFLTIVLIQGSTHAGGF
 HNVLEQSTNGSRLHIFDFDVPDLRRHTFWTITVGGTFTWLGIYGVNQSTIQRICISCKTEKHAKLALYFNL
 LGLWIIIVCAVFSGLIMYSHFKDCDPWTSGIISAPDQLMPYFVMEIFATMPGLPGLFVACAFSGTLSTVA
 SSINALATVTFEDFVKSCFPHLSDKLSTWISKGLCLLFGVMCTSMAVAASVMGGVVQASLSIHGMC GGPM
 LGLFSLGIVFPFVNWKGALGLLTGITLSFWAIGAFIYPAPASKTWPLPLSTDQCISKNVTATGPPVLS
 SRPGIADTWYSISYLYSAVGCLGIVAGVIIISLITGRQRGEDIQPLLIRPVCNLCFWSKKYKTLWCWG
 VQHDSGTEQENLENGSARKQGAESVLQNLRRRESLVHVPGYDPKDSYNNMAFETTHF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_178498
ORF Size:	1854 bp
Buffer:	PBS with 0.001% Pluronic F6243
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_178498.3</u>
RefSeq Size:	6253 bp
RefSeq ORF:	1857 bp
Locus ID:	159963
UniProt ID:	<u>Q1EHB4</u>
Cytogenetics:	11p14.2
MW:	67.5 kDa