

Product datasheet for **RC221312A1V**

Human SGLT1 (SLC5A1) (NM_000343) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SGLT1 (SLC5A1) (NM_000343) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC5A1
Synonyms:	D22S675; NAGT; SGLT1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC221312 representing NM_000343
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACAGTAGCACCTGGAGCCCCAAGACCACCGCGGTACCCGGCCTGTTGAGACCCACGAGCTCATTC
 GCAATGCAGCCGATATCTCCATCATCGTTATCTACTTCGTGGTAGTGATGGCCGTCGGACTGTGGGCTAT
 GTTTTCCACCAATCGTGGGACTGTTGGAGGCTTCTTCCTGGCAGGCCGAAGTATGGTGTGGTGGCCGATT
 GGAGCCTCCCTCTTTGCTAGTAACATTGGAAGTGGCCACTTTGTGGGGCTGGCCGGGACTGGGGCAGCTT
 CAGGCATCGCCATTGGAGGCTTTGAATGGAATGCCCTGGTTTTGGTGGTTGTGCTGGGCTGGCTGTTTGT
 CCCCATCTATATTAAGGCTGGGGTGGTGAATGCCAGAGTACCTGAGGAAGCGGTTTGGAGGCCAGCGG
 ATCCAGGTCTACCTTTCCCTTCTGCTCCCTGCTGCTCTACATTTTACCAAGATCTCGGCAGACATCTTCT
 CGGGGGCCATATTCATCAATCTGGCCTTAGGCCTGAATCTGTATTTAGCCATCTTCTCTTATTGGCAAT
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 TGTGAGAAATATTGCGGTACCAAGGTTGGCTGTACCAACATCGCCTATCCAACCTTAGTGGTGGAGCTCA
 TGCCCAATGGACTGCGAGGCCTGATGCTATCAGTCATGCTGGCCTCCCTCATGAGCTCCCTGACCTCCAT
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 CTAGGACTTCTGATTGGGATTTACGTATGATTACTGAGTTTGCTTATGGAACCGGGAGCTGCATGGAGC
 CCAGCAACTGTCCACGATTATCTGTGGGTGCACTACTTGTACTTTGCCATTATCCTCTTCGCCATTTT
 TTTTCATACCATCGTGGTCATCTCCCTCCTACCAAACCCATTCCGGATGTGCATCTCTACCGTCTGTGT
 TGGAGCCTGCGCAACAGCAAAGAGGAGCGTATTGACCTGGATGCGGAAGAGGAGAACATCCAAGAAGGCC
 CTAAGGAGACCATTGAAATAGAAACACAAGTTCTGAGAAGAAAAAGGAATCTTCAGGAGAGCCTATGA
 CCTATTTTGTGGGCTAGAGCAGCACGGTGCACCAAGATGACTGAGGAAGAGGAGAAAGCCATGAAGATG
 AAGATGACGGACACCTCTGAGAAGCCTTTGTGGAGGACAGTGTGAACGTCAATGGCATCATCTGGTGA
 CCGTGGCTGTCTTTGCCATGCATATTTTGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC221312 representing NM_000343 Red=Cloning site Green=Tags(s) MDSSTWSPKTTAVTRPVETHELIRNAADISIIIVYFVVVMAVGLWAMFSTNRGTVGGFFLAGRSMVWVPI GASLFASNIGSGHFVGLAGTGAASGIAIGGFENALVLVVVLGWLFPYIYKAGVVTMPPEYLRKRFGGQR IQVYLSLLSLLLYIFTKISADIFSGAIFINLALGLNLYLAIFLLLAITALYTTITGGLAAVIYDTLQTVI MLVGSILITGFHEVGGYDAFMEKYMKAIPTIVSDGNTTFQEKCYTPRADSFHIFRDPLTGDLPWPGFI FGMSILTLWYWCTDQVIVQRCLSAKNMSHVKGCCILCGYLKLMFIMVMPGMISRILYTEKIAACVVPSE CEKYCGTKVGCTNIAYPVLVVELMPNGLRGLMLSVMLASLMSSLTISFNSASTLFTMDIYAKVRKRASEK ELMIAGRLFILVLIGISIAWVPIVQSAQSGQLFDYIQSITSYLGPPIAAVFLLAIFWKRVPNEPGAFWGLI LGLLIGISRMITEFAYGTGSCMEPSNCPTIICGVHYLYFAIILFAISFITIVVISLLTKPIPDVHLYRLC WSLRNSKEERIDLDAEEENIQEGPKETIEIETQVPEKKKGIFRRAYDLFCGLEQHGAPKMTEEEKAMKM KMTDTSEKPLWRTVLNVNGIILVTVAVFCHAYFA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_000343
ORF Size:	1992 bp
Buffer:	PBS with 0.001% Pluronic F8319
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_000343.1</u>
RefSeq Size:	2449 bp
RefSeq ORF:	1995 bp
Locus ID:	6523
UniProt ID:	<u>P13866</u>
Cytogenetics:	22q12.3
MW:	73.3 kDa