

Product datasheet for **RC211407A1V**

Human SLC5A10 (NM_152351) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SLC5A10 (NM_152351) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC5A10
Synonyms:	SGLT-5; SGLT5
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC211407 representing NM_152351
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGCCGCCAACTCCACCAGCGACCTCCACACTCCCGGGACGCAGCTGAGCGTGGCTGACATCATCGTCA
 TCACTGTGTATTTTGTCTGAATGTGGCGTGGGCATATGGTCTCTTGTCTGGGCCAGTAGGAACACGGT
 GAATGGCTACTTCTGGCAGGCCGGGACATGACGTGGTGGCGATTGGAGCCTCCCTCTTCGCCAGCAGC
 GAGGGCTCTGGCCTCTTCATTGGACTGGCGGGCTCAGGCGCGGCAGGAGGTCTGGCCGTGGCAGGCTTCG
 AGTGAATGCCACGTACGTGCTGCTGGCACTGGCATGGGTGTTCTGCGCCATCTACATCTCCTCAGAGAT
 CGTCACCTTACCTGAGTACATTAGAAGCGCTACGGGGCCAGCGGATCCGCATGTACCTGTCTGTCTCTG
 TCCCTGCTACTGTCTGTCTTACCAAGATATCGCTGGACCTGTACGCGGGGGCTCTGTTTGTGCACATCT
 GCCTGGGCTGGAACCTTACCTCTCCACCATCCTCAGCTCGGCATCACAGCCCTGTACACCATCGCAGG
 GGGCTGGCTGTGTAATCTACACGGACGCCCTGCAGACGCTCATCATGGTGGTGGGGGTGTCTATCCTG
 ACAATCAAAGCTTTTGACCAGATCGGTGGTTACGGGCAGCTGGAGGCAGCCTACGCCAGGCCATTCCCT
 CCAGGACCATTGCCAACACCACCTGCCACCTGCCACGTACAGACGCCATGCACATGTTTCGAGACCCCCA
 CACAGGGGACCTGCCGTGGACCGGGATGACCTTTGGCCTGACCATCATGGCCACCTGGTACTGGTGCACC
 GACCAGGTATCGTGCAGCGATCACTGTGAGCCGGGACCTGAACCATGCCAAGCGGGCTCCATCTCTGG
 CCAGCTACCTCAAGATGCTCCCATGGGCTGATCATCATGCCGGGCATGATCAGCCGCGCATTGTTCCC
 AGGTGCTCATGTCTATGAGGAGAGACCAAGTGTCCGTCTCTCGAACAGATGATGTGGGCTGCGTGGTG
 CCGTCCGAGTGCCTGCGGGCTGCGGGGCGGAGGTGCGCTGCTCCAACATCGCCTACCCCAAGCTGGTCA
 TGGAACTGATGCCATCGGTCTGCGGGGCTGATGATCGCAGTGATGCTGGCGGCGCTCATGTCTGCTGCT
 GACCTCCATCTTCAACAGCAGCAGCACCTCTTCACTATGGACATCTGGAGGCGGCTGCGTCCCCGCTCC
 GGCGAGCGGGAGCTCCTGCTGGTGGGACGGCTGGTCATAGTGGCACTCATCGGCGTGAGTGTGGCCTGGA
 TCCCCGTCTGCAGGACTCCAACAGCGGGCAACTTTCATCTACATGCAGTCAGTGACCAGCTCCCTGGC
 CCCACAGTGACTGCAGTCTTTGCTCTGGGCTCTTCTGGCGACGTGCCAACGAGCAGGGGGCTTCTGG
 GGCCTGATAGCAGGGCTGGTGGTGGGGGCCACGAGGCTGGTCTGGAATTCCTGAACCCAGCCCCACCGT
 GCGGAGAGCCAGACACGCGGCCAGCCGTCTGGGAGCATCCACTACCTGCATTCGCTGTGCGCCTCTT
 TGCACTCAGTGGTGTGTGTGGTGGTGAAGCCTGCTGACCCACCCACAGAGTGTCCAGATTGAG
 AACCTTACCTGGTGGACCTGGCTCAGGATGTGCCCTTGGGAATAAAGCAGGTGATGGCCAAACACCCC
 AGAAACACGCCTTCTGGCCCCGTGTCTGTGGCTTCAATGCCATCTCCTCATGTGTGCAACATATTCTT
 TTATGCCTACTTCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MAANSTDLHTPGTQLSVADIIVITVYFALNVAVGIWSSCRASRNTVNGYFLAGRDMTWPIGASLFASS
 EGSLFIGLAGSGAAGGLAVAGFEWNATYVLLALAWVFPIYISSEIVTLPEYIQKRYGGQRIRMYLSVL
 SLLLSVFTKISLDLYAGALFVHICLGWNFYLSLITLITALYTIAGGLAAVIYTDALQTLIMVVGAVIL
 TIKAFDQIGGYQLEAAYAQAIPSRITANTCHLPRTDAMHMRDPHTGDLPTWTGMTFGLTIMATWYWCT
 DQVIVQRSLSARDLNHAKAGSILASYLKMLPMGLIIMPGMISRALFPGAHVYEEERHQVSVSRDDVGCVV
 PSECLRACGAEVGCSNIAYPKLVMEMLPIGLRGLMIAMLAALMSSLTIFNSSSTLFTMDIWRRLRPRS
 GERELLLVGRIVIVALIGVSVAWIPVLQDSNSGQLFIYMQSVTSSLAPPVTAVFVLGVFWRRANEQGAFW
 GLIAGLVVGATRLVLEFLNPAPPCGEPDTRPAVLGSIHYLHFAVALFALSGAVVYVAGSLLTPPPQSVQIE
 NLTWWTLAQDVPLGKAGDGQTPQKHAFWARVCGFNAILLMCVNIFFYAYFA

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_152351
ORF Size:	1836 bp
Buffer:	PBS with 0.001% Pluronic F6717
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_152351.3</u>
RefSeq Size:	2139 bp
RefSeq ORF:	1839 bp
Locus ID:	125206
UniProt ID:	<u>A0PIK1</u>
Cytogenetics:	17p11.2
MW:	66 kDa