

Product datasheet for **RC224138A1V**

Human SLC5A7 (NM_021815) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SLC5A7 (NM_021815) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC5A7
Synonyms:	CHT; CHT1; CMS20; HMN7A
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC224138 representing NM_021815
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCTTTCATGTGGAAGGACTGATAGCTATCATCGTGTCTACCTTCTAATTTTGCTGGTTGGAATAT
 GGGCTGCCTGGAGAACCACAAACAGTGGCAGCGCAGAAGAGCGCAGCAAGCCATCATAGTTGGTGGCCG
 AGATATTGGTTTATTGGTTGGTGGATTTACCATGACAGCTACCTGGGTCGGAGGAGGGTATATCAATGGC
 ACAGCTGAAGCAGTTTATGTACCAGTTATGGCCTAGCTTGGGCTCAGGCACCAATTGGATATTCTCTTA
 GTCTGATTTTAGGTGGCTGTTCTTTGCAAAACCTATGCGTTCAAAGGGGTATGTGACCATGTTAGACCC
 GTTTCAGCAAATCTATGGAAAACGCATGGGCGGACTCCTGTTTATTCTGCACTGATGGGAGAAATGTTT
 TGGGCTGCAGCAATTTTCTGCTTTGGGAGCCACCATCAGCGTGATCATCGATGTGGATATGCACATTT
 CTGTCTCATCTCTGCACTCATTGCCACTCTGTACACACTGGTGGGAGGGCTCTATTCTGTGGCCTACAC
 TGATGTCGTTGAGCTCTTTTGCAATTTTGTAGGGCTGTGGATCAGCGTCCCTTTGCATTGTCACATCCT
 GCAGTCCGAGACATCGGGTTCCTGCTGTGCATGCCAAATACCAAAGCCGTGGCTGGGAAGTGTGACT
 CATCTGAAGTCTACTCTTGGCTTGATAGTTTCTGTTGTTGATGCTGGGTGGAATCCCATGGCAAGCATA
 CTTTCAGAGGGTCTCTCTTCTCTCCTCAGCCACCTATGCTCAAGTGCTGTCTTCTGCGAGCTTTCGGG
 TGCCTGGTGATGGCCATCCAGCCATACTCATTGGGGCATTGGAGCATCAACAGACTGGAACAGACTG
 CATATGGGCTTCCAGATCCCAAGACTACAGAAGAGGCAGACATGATTTTACCAATTGTTCTGCAGTATCT
 CTGCCCTGTGTATTTCTTTCTTTGGTCTTGGTGCAGTTTCTGCTGCTGTTATGTCATCAGCAGATTCT
 TCCATCTGTGCAAGTTCATGTTTGACGGAACATCTACCAGCTTTCCTTCAGACAAATGCTTCGG
 ACAAGAAATCGTTTGGGTTATGCGAATCACAGTGTGTTGTTGGAGCATCTGCAACAGCCATGGCCTT
 GCTGACGAAAACGTGTATGGGCTCTGCTACCTCAGTTCTGACCTTGTGTTACATCGTTATCTTCCCCCAG
 CTGCTTTGTGACTCTTTGTTAAGGGAACCAACACCTATGGGGCCGTGGCAGGTTATGTTTCTGGCCTCT
 TCCTGAGAATAACTGGAGGGGAGCCATATCTGTATCTTCAAGCCTTGATCTTCTACCCTGGCTATTACCC
 TGATGATAATGGTATATATAATCAGAAATTTCCATTTAAACACTTGCCATGGTTACATCATTCTTAACC
 AACATTTGCATCTCCTATCTAGCCAAGTATCTATTTGAAAGTGAACCTTGCCACCTAAATTAGATGAT
 TTGATGCTGTTGTTGCAAGACACAGTGAAGAAAACATGGATAAGACAATTCTGTCAAAAATGAAATAT
 TAAATTAGATGAACCTTGCACTTGTGAAGCCACGACAGAGCATGACCCTCAGCTCAACTTTCACCAATAAA
 GAGGCCTTCTTGATGTTGATTCCAGTCCAGAAGGGTCTGGGACTGAAGATAATTTACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MAFHVEGLIAIIVFYLLILLVGIWAAWRTKNSGSAEERSEAIIVGGRDIGLLVGGFTMTATWVGGGYING
 TAEAVYVPGYGLAWAQAPIGYSLILGGLFFAKPMRSKGYVTMLDPFQQIYGKRMGGLLFIPALMGEMF
 WAAAIIFSALGATISVIIIDVDMHISVIIISALITLYTLVGGLYSVAYTDVVQLFCIFVGLWISVPFALSHP
 AVADIGFTAVHAKYQKPWLGTVDSEVYSWLDSFLLMLGGIPWQAYFQVLSSSSATYAQVLSFLAAFG
 CLVMAIPAILIGAIGASTDWNQTAYGLPDPKTTEEADMILPIVLQYLCPVYISFFGLGAVSAVMSSADS
 SILSASSMFARNIYQLSFRQNASDKEIVWMRITVFVFGASATAMALLTKTVYGLWYLSDDLVIIVIFPQ
 LLCVLVFKGTNTYGAVAGYVSGFLRITGGEPYLYLQPLIFYPGYYPDDNGIYNQKFPFKTLAMVTSFLT
 NICISYLAKYLFESGTLPPKLDVFDVAVVARHSEENMDKITLVKNENIKLDELALVKPRQSMTSSSTFTNK
 EAFLDVDSSPEGSGTEDNLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_021815
ORF Size:	1740 bp
Buffer:	PBS with 0.001% Pluronic F8766
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_021815.2</u>
RefSeq Size:	5158 bp
RefSeq ORF:	1743 bp
Locus ID:	60482
UniProt ID:	<u>Q9GZV3</u>
Cytogenetics:	2q12.3
MW:	63 kDa