

Product datasheet for **RC214998A1V**

Human SLC13A2 (NM_003984) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SLC13A2 (NM_003984) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC13A2
Synonyms:	NaCT; NaDC-1; NADC1; SDCT1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC214998 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCACCTGCTGGCAGGCCCTGTGGCCTATCGCTCCTACCTGATCGTGTCTTCGTGCCATTCTCC
 TGCTGCCTCTGCCATCCTCGTCCCAGTAAGGAGGCCTACTGCGCGTATGCCATCATCCTCATGGCGCT
 CTTCTGGTGAAGGAGGCCCTGCCCCTGGCCGTCAGTATCTTAAGGACTCCAACCTCCTGTTCTTCGGGGGC
 GGCATCGTGGATGCCTCTGAGGTTGCCGTGAGTATCTTAAGGACTCCAACCTCCTGTTCTTCGGGGGC
 TGCTGGTGGCCATCGCGGTGGAACACTGGAACCTGCATAAACGCATCGCCCTCCGTGCTCCTCATCGT
 TGGGGTGGCCCTGCCCCGCTAATCCTGGGCTTCATGCTGGTACGGCCTTCTGTCCATGTGGATCAGC
 AACACGGCCACCTCAGCCATGATGGTGGCCATCGCACATGCCGTCTGGACCAGTGCACAGCTCGCAAG
 CCAGCAGCAACGTCGAGGAGGGCAGCAACAACCCACCTTCGAGCTCCAGGAACCAAGTCCCAAGGA
 GGTGACCAAGCTTGATAATGGGAGGCCCTCCCTGTACGTCTGCCTTTCGGAGGGGAGGGCAGATCTC
 AGCCAGAAGCATCTCCACCTCACCCAGTGCATGAGCCTGTGCGTGTGCTACTCCGCCAGCATCGGGGGCA
 TCGCCACGCTGACTGGCACCGCACCCAACTGGTGTGCAAGGCCAGATCAACTCGCTCTTCCCCAAAA
 CGGCAACGTGGTGAACCTTCGCTCCTGGTTTCACTTCCGGAAGAACTTTGGCATTGGGGAAAAGA
 GCGTGGTGTGGCTGCAGATCCTCTTCTGGGCTTCAACTTCCGGAAGAACTTTGGCATTGGGGAAAAGA
 TGCAGGAGCAACAGCAGGAGCCTACTGCGTCATCCAGACCGAGCACAGGCTGCTGGGCCCCATGACCTT
 TGCAGAAAAGGCCATCAGCATCTATTGCTCATCTGGTGTGCTCTGGTTACCCGGGAGCCGGGCTTT
 TTTCTTGGCTGGGGCAATTTGGCTTTTCCCAATGCCAAGGGGGAGAGCATGGTGTCCGATGGGACAGTGG
 CCATCTTCATCGGCATAATTATGTTTCATACCTCCAAGTTCCAGGGCTGACCCAGGACCCAGAAAA
 CCCAGGGAAGCTGAAGGCCCTCTTGGCCTCTCGACTGGAAGACGGTGAACCAAGATGCCGTGGAAT
 ATCGTGTATTGCTGGTGGTGGCTATGCCCTGGCCAAGGGCAGTGAGCGATCGGGCCTGTGAGTGGC
 TGGGAAACAAGCTGACCCACTGCAGAGTGTGCCAGCTCCAGCATTGCCATCATCTCTCCCTCCTGGT
 GGCCACCTTACCGAGTGCAGTACGACCTGGCCACCACTACGATCTTCTGCCATCCTAGCCTCCATG
 GCGCAGGCCATCTGCCTCACCTCTCTACGTATGCTCCCTGCACTCTGGCCACCTCCCTGGCCTTCA
 TGTTGCTGTGGCCACCCGCCCCAATGCCATCGTCTTCTTTTGGGGACCTCAAAGTGTGGATATGGC
 CCGGGCAGGATTCCTCTCAACATCATTGGAGTCTGATCATCGCACTGGCCATCAACAGCTGGGGCATC
 CCCCTCTCAGCTGCACTCTTCCCCTCCTGGGCACAGTCCAACACCACAGCCAGTGCCTGCCAAGCC
 TGGCCAACACCACACCAAGCCCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214998 protein sequence
 Red=Cloning site Green=Tags(s)

MATCWQALWAYRSYLIVFFVPIILLPLPILVPSKEAYCAYAILMALFWCTEALPLAVTALFPLILFPM
 GIVDASEVAVEYLKDSNLLFFGGLLVAIAVEHWNHKLRIALRVLLIVGVRPAPLILGFMLVTAFLSMWIS
 NTATSAMVPIAHAVLDQLHSSQASSNVEEGSNPTFELQEPSPQKEVTKLDNGQALPVTASSEGRAHL
 SQKHLHLTQCMSLCVCYSASIGGIATLTGTAPNLVLQGGINSLEPQNGNVNFAWFSFAFPTMVILL
 AWLWLQILFLGFNFRKNFGIGEMQEQQQAAYCVIQTHERLLGPMTFAEKASILFVILVLLWFTREPGF
 FLGWGNLAFPNAGKESMVSDGTVAIFIGIIMFIIPSKFPGLTQDPENPGKLKAPLGLLDWKTQVQKMPWN
 IVLLGGGYALAKGSERSGLSEWLGKLTPLQSVPAIAIILSLLVATFECTSNVATTTIFLPILASM
 AQAICLHPLVYMLPCTLATSLAFMLPVATPPNAIVFSFGDLKVLDMARAGFLLNIIGVLIILAINSWG
 PLFSLHSFSPWAQSNNTAQCLPSLANTTTSP

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_003984
ORF Size:	1776 bp
Buffer:	PBS with 0.001% Pluronic F7304
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_003984.1</u>
RefSeq Size:	2384 bp
RefSeq ORF:	1779 bp
Locus ID:	9058
UniProt ID:	<u>Q13183</u>
Cytogenetics:	17q11.2
MW:	64.4 kDa