

Product datasheet for **RC211244A1V**

Human Sodium Iodide Symporter (SLC5A5) (NM_000453) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Sodium Iodide Symporter (SLC5A5) (NM_000453) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC5A5
Synonyms:	NIS; TDH1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC211244 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGGCCGTGGAGACCGGGGAACGGCCACCTTCGAGCCTGGGACTACGGGGTCTTTGCCCTCATGC
TCCTGGTGTCCACTGGCATCGGGCTGTGGGTGGGCTGGCTCGGGCGGGCAGCGCAGCGCTGAGGACTT
CTTCACCGGGGCGCGCCTGGCGGCCCTGCCGTGGCCTGTGCTGTCTGCCAGCTTCATGTCGGCC
GTGCAGGTGCTGGGCGTGCCGTGGAGGCCTATCGCTATGGCCTCAAGTTCCTCTGGATGTGCTGGGCC
AGCTTCTGAACCTCGGTCTCACCGCCCTGCTCTTCATGCCCTCTTACCGCCTGGGCCTCACAGCAC
CTACGAGTACCTGGAGATGCGCTTCAGCCGCGCAGTGGGCTCTGCGGGACTTTGAGTACATTGTAGCC
ACGATGCTGTACACCGGCATCGTAATCTACGCACCGGCCCTCATCTGAACCAAGTACCGGGCTGGACA
TCTGGGCGTGTCTCTGTCCACCGGAATTATCTGCACCTCTACACGGCTGTGGCGGCATGAAGGCTGT
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CATGTATGGCGTGAACAGGCGCAGGTGCAGCGCTACGTGGCTTGCCGCACAGAGAAGCAGGCCAAGCTG
GCCCTGCTCATCAACAGGTGGCCTGTTCTGATCGTGTCCAGCGCTGCCTGCTGTGGCATCGTCATGT
TTGTGTTCTACACTGACTGCGACCTCTCTCTGGGGCGCATCTCTGCCCCAGACCAGTACATGCCTCT
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ACCCTCAGCACAGCATCCACCAGCATCAATGCTATGGTGCAGTCACTGTAGAAGACCTCATCAACCTC
GGCTGCGGAGCCTGGCACCCAGGAACTCGTGATTATCTCCAAGGGGCTCTCACTCATCTACGGATCGGC
CTGTCTCACCGTGGCAGCCCTGCTCTACTGCTCGGAGGAGGTGCTTCAGGGCTCCTTCACCGTCATG
GGAGTCATCAGCGGCCCTGCTGGGAGCCTTCATCTTGGGAATGTTCTGCGCGCTGCAACACACCGG
GCGTCTCGCGGACTAGGCGCGGGCTTGGCGTGTGCTGTGGGTGGCCTTGGGCGCCACGCTGTACCC
ACCCAGCGAGCAGACCATGAGGGTCTGCCATCGTCGGCTGCCGCTGCGTGGCTCTCTCAGTCAACGCC
TCTGGCCTCTGGACCGGCTCTCTCTCTGCTAACGACTCCAGCAGGGCCCCCAGCTCAGGAATGGACG
CCAGCCGACCCGCTTAGCTGACAGCTTCTATGCCATCTCTATCTATTACGGTGGCCTGGGCACGCT
GACCACTGTGCTGTGCGGAGCCCTCATCAGTGCCTGACAGGCCCCACCAAGCGCAGCACCTGGCCCCG
GGATTGTTGTGGTGGGACCTCGCACGGCAGACAGCATCAGTGGCCCCAAGGAAGAAGTGGCCATCTGG
ATGACAACTTGGTCAAGGGTCTGAAGAACTCCCCACTGGAAACAAGAAGCCCCCTGGCTTCTGCCCAC
CAATGAGGATCGTCTGTTTTCTTGGGGCAGAAGGAGCTGGAGGGGGCTGGCTCTTGACCCCTGTGTT
GGACATGATGGTGGTCGAGACCAGCAGGAGACAAACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC211244 protein sequence Red=Cloning site Green=Tags(s) MEAVETGERPTFGAWDYGVFALMLLVSTGIGLWVGLARGGQRSAEDFFTGGRRLAALPVGLSLASFMSA VQVLGVPSEAYRYGLKFLWMCLGQLLNSVL TALLFMPVFYRLGLTSTYEYLEMRFSRAVRLCGTLQYIVA TMLYTGIVIIYAPALILNQVTGLDIWASLLSTGIICTFYTAVGGMKAVVWTDVFQVVVMLSGFWVVLARGV MLVGGPRQVLTLAQNHSRINLMDFNPDPRSRYTFWTFVVGGLVWL SMYGVNQAQVQRYVACRTEKQAKL ALLINQVGLFLIVSSAACCGIVMFVFYTDCLLLGRISAPDQYMPLLVLDIFEDLPGVPLFLACAYSG TLSTASTSINAMAAVTVEDLIKPRRLSLAPRKLVIISKGLSLIYGSACLTVAAALSSLLGGGVLQGSFTVM GVISGPLLGAFLGMFLPACNTPGVLAGLAGLALSLWVALGATLYPPSEQTMRVLPSSAARCVALSVNA SGLLDPAALLPANDSSRAPSSGMDASRPALADSFYAISYLYYGALGTLTTVLCGALISCLTGPTKRSTLAP GLLWWDLARQTASVAPKEEVAILEDNLVKGPEELPTGNKKPPGFLPTNEDRLFFLGQKELEGAGSWTPCV GHDGGRDQQETNL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_000453
ORF Size:	1929 bp
Buffer:	PBS with 0.001% Pluronic F6690
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_000453.1</u>
RefSeq Size:	3594 bp
RefSeq ORF:	1932 bp
Locus ID:	6528
UniProt ID:	<u>Q92911</u>
Cytogenetics:	19p13.11
MW:	68.7 kDa