

Product datasheet for **RC200194A1V**

Human NT5C2 (NM_012229) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human NT5C2 (NM_012229) AAV Particle
Tag:	Myc-DDK
Symbol:	NT5C2
Synonyms:	cN-II; GMP; NT5B; PNT5; SPG45; SPG65
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC200194 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAACCTCCTGGAGTGATCGGTTACAGAATGCAGCAGATATGCCTGCTAACATGGATAAGCATGCC
 TGAAAAAGTATCGTCGAGAAGCCTATCATCGGGTGTGTTGTGAACCGAAGTTAGCAATGGAAAAGATAAA
 GTGTTTTGGTTTTGATATGGATTATACCTTGCTGTGTACAAGTCCCCAGAGTATGAGTCCCTTGTTTT
 GAGCTTACTGTGGAGAGATTAGTTTCTATTGGCTATCCCCAGGAGTTGCTCAGCTTTGCTTATGATTCTA
 CATTCCCTACCAGGGGACTTGTCTTTGACACACTGTATGGAAATCTTTTGAAAGTCGATGCCTATGGAAA
 CCTCTTGGTCTGTGCACATGGATTTAACTTTATAAGGGGACCAGAACTAGAGAACAGTATCCAAATAAA
 TTTATCCAGCGAGATGATACTGAAAGATTTTACATTCTGAACACACTATTCAACCTACCAGAGACCTACC
 TGTTGGCCTGCCTAGTAGATTTTTTTACTAATTGTCCCAGATATACCAGTTGTGAAACAGGATTTAAAGA
 TGGGGACCTCTTCATGTCTACCGGAGTATGTTCCAGGATGTAAGAGATGCTGTTGACTGGGTTCATTAC
 AAGGGCTCCCTTAAGGAAAAGACAGTTGAAAATCTTGAGAAATGTAAGTCAAAGATGGAAAAGTGCCTT
 TGCTTCTGAGCCGGATGAAGGAAGTAGGGAAGTATTTCTTGCTACCAACAGTACTATAAATATACAGA
 TAAATTTATGACTTACCTGTTTGACTTCCCACATGGCCCCAAGCCTGGGAGCTCCCATCGACCATGGCAG
 TCCTACTTTGACTTGATCTTGGTGGATGCACGGAACCACTCTTTTTGGAGAAGGCACAGTACTGCGTC
 AGGTGGATACTAAACTGGCAAGCTGAAATTTGGTACCTACACAGGGCCCCTACAGCATGGTATCGTCTA
 CTCAGGAGGTTCTTCTGATACGATCTGTGACCTGTTGGGAGCCAAGGAAAAGACATTTTGTATATTGGA
 GATCACATTTTGGGGACATTTTAAATCAAAGAAACGCAAGGGTGGCGAACTTTTTTGGTGATTCTCTG
 AACTCGCACAGGAGCTACATGTCTGGACTGACAAGAGTTCACTTTTGAAGAATTCAGAGCTTGGATAT
 TTTCTTGGCTGAAGTCTACAAGCATCTTGACAGCAGTAGCAATGAGCGTCCAGACATCAGTTCCATCCAG
 AGACGTATTAAGAAAGTAACTCATGACATGGACATGTGCTATGGGATGATGGGAAGCCTGTTTCGACGTG
 GCTCCCGGCAGACCTTTTTGCCAGTCAAGTGATGCGTTATGCTGACCTCTATGCAGCATCTTTCATCAA
 CCTGCTGTATTACCTTTTCTAGCTACCTCTTCCAGGCTGCCCATGTCTTGATGCCTCATGAATCAACGGTG
 GAGCACACACGTAGATATCAATGAGATGGAGTCTCCTCTGCCACCCGGAACCGCACATCAGTGGATT
 TCAAAGACACTGACTACAAGCGGCACCAGCTGACACGGTCAATTAGTGAGATTAACCTCCCAACCTCTT
 CCCACTGGCCCCCAGGAAATTACACACTGCCATGACGAAGATGATGATGAAGAGGAGGAGGAGGAGGAA
 GAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200194 protein sequence
 Red=Cloning site Green=Tags(s)

MSTSWSDRLQNAADMPANMDKHALKKYRREAYHRVFNVRSLAMEKIKCFGDMDYTLAVYKSPEYESLGF
 ELTVERLVSIGYPQELLSFAYDSTFPTRGLVFDLTLYGNLLKVDAYGNLLVCAHGFNFIRGPETREQYPNK
 FIQRDDTERFYILNTLFNLPETYLLACLVDFFTNCPRYTSCETGFKDGLFMSYRSMFQVVRDAVDWVHY
 KGSLKEKTVENLEKYVVDGKLPLLLSRMEVGKVFLATNSDYKYTDKIMTYLFDPHGPKPGSSHRPWQ
 SYFDLILVDARKPLFFEGEVLVRQVDTKGKLKIGTYTGPLQHIGIVYSGSSDTICDLLGAKGKDILYIG
 DHIFGDILKSKKRQGWRTFLVIPELAQLHVWTDKSSLFEELQSLDIFLAELYKHLDSSENERPDISSIQ
 RRIKKVTHDMDCMYGMGSLFRSGSRQTLFASQVMRYADLYAASFINLLYYPFSYLFRAAHVLMPESTV
 EHTHVDINEMESPLATRNRTSVDFKDTDYKRHQLTRISEIKPPNLFPLAPQEITHCHDEDDDEEEEEEE
 E

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_012229
ORF Size:	1683 bp
Buffer:	PBS with 0.001% Pluronic F68
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_012229.2</u>
RefSeq Size:	3551 bp
RefSeq ORF:	1686 bp
Locus ID:	22978
UniProt ID:	<u>P49902</u>
Cytogenetics:	10q24.32-q24.33
MW:	65 kDa