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Product datasheet for RC208322A1V

Human SV2A (NM_014849) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SV2A (NM_014849) AAV Particle
Tag:	Myc-DDK
Symbol:	SV2A
Synonyms:	SV2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)

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ORF Nucleotide Sequence:

>RC208322 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGAGGGCTTCCGAGACCGGGCAGCTTTCATCCGTGGGGCCAAAGACATTGCTAAGGAAGTCAAAA
AGCATGCGGCCAAGAAGGTGGTGAAGGGCCTGGACAGAGTCCAGGACGAATATTCCCGAAGATCGTACTC
CCGCTTTGAGGAGGAGGATGATGATGATGACTTCCCTGCTCCCAGTGATGGTTATTACCGAGGAGAAGGG
ACCCAGGATGAGGAGGAAGGTGGTGCATCCAGTGATGCTACTGAGGGCCATGACGAGGATGATGAGATCT
ATGAAGGGGAATATCAGGGCATTCCCCGGGCAGAGTCTGGGGGCAAAGGCGAGCGGATGGCAGATGGGGC
GCCCCTGGCTGGAGTAAGGGGGGGCTTGAGTGATGGGGAGGGTCCCCCTGGGGGCCGGGGGGAGGCACAA
CGACGGAAAGAACGAGAAGAACTGGCCCAACAGTATGAAGCCATCCTACGGGAGTGTGGCCACGGCCGCT
TCCAGTGGACACTGTATTTTGTGCTTGGTCTGGCGCTGATGGCTGACGGTGTGGAGGTCTTTGTGGTGGG
CTTCGTGCTGCCCAGCGCTGAGAAAGACATGTGCCTGTCCGACTCCAACAAAGGCATGCTAGGCCTCATC
GTCTACCTGGGCATGATGGTGGGAGCCTTCCTCTGGGGAGGTCTGGCTGACCGGCTGGGTCGGAGGCAGT
GTCTGCTCATCTCGCTCTCAGTCAACAGCGTCTTCGCCTTCTTCTCATCTTTTGTCCAGGGTTACGGCAC
TTTCCTCTTCTGCCGCCTACTTTCTGGGGTTGGGATTGGAGGGTCCATCCCCATTGTCTTCTCCTATTTC
TCCGAGTTTCTGGCCCAGGAGAAACGAGGGGAGCATTTGAGCTGGCTCTGCATGTTTTGGATGATTGGTG
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CTACCAGTTCCACAGCTGGAGGGTCTTCGTCCTCGTCTGCGCCTTTCCTTCTGTGTTTGCCATTGGGGCT
CTGACCACGCAGCCTGAGAGCCCCCGTTTCTTCCTAGAGAATGGAAAGCATGATGAGGCCTGGATGGTGC
TGAAGCAGGTCCATGATACCAACATGCGAGCCAAAGGACATCCTGAGCGAGTGTTCTCAGTAACCCACAT
TAAGACGATTCATCAGGAGGATGAATTGATTGAGATCCAGTCGGACACAGGGACCTGGTACCAGCGCTGG
GGGGTCCGGGCCTTGAGCCTAGGGGGGCAGGTTTGGGGGAATTTTCTCTCCTGTTTTGGTCCCGAATATC
GGCGCATCACTCTGATGATGATGGGTGTGTGGTTCACCATGTCATTCAGCTACTATGGCCTGACCGTCTG
GTTTCCTGACATGATCCGCCATCTCCAGGCAGTGGACTACGCATCCCGCACCAAAGTGTTCCCCGGGGAG
CGCGTAGAGCATGTAACTTTTAACTTCACGTTGGAGAATCAGATCCACCGAGGCGGGCAGTACTTCAATG
ACAAGTTCATTGGGCTGCGGCTCAAGTCAGTGTCCTTTGAGGATTCCCTGTTTGAAGAGTGTTATTTTGA
GGATGTCACATCCAGCAACACGTTTTTCCGCAACTGCACATTCATCAACACTGTGTTCTATAACACTGAC
CTGTTCGAGTACAAGTTTGTGAACAGCCGTCTGATAAACAGTACATTCCTGCACAACAAGGAGGGCTGCC
CGCTAGACGTGACAGGGACGGGCGAAGGTGCCTACATGGTATACTTTGTGAGCTTCCTGGGGACACTGGC
AGTGCTTCCTGGGAATATCGTGTCTGCCCTGCTCATGGACAAGATCGGCAGGCTCAGAATGCTTGCTGGC
TCCAGCGTGATGTCCTGTGTCTCCTGCTTCTTCCTGTCTTTTGGGAACAGTGAGTCGGCCATGATCGCTC
TGCTCTGCCTTTTTGGCGGGGTCAGCATTGCATCCTGGAATGCGCTGGACGTGTTGACTGTTGAACTCTA
CCCCTCAGACAAGAGGACCACAGCTTTTGGCTTCCTGAATGCCCTGTGTAAGCTGGCAGCTGTGCTGGGG
ATCAGCATCTTCACATCCTTCGTGGGAATCACCAAGGCTGCACCCATCCTCTTTGCCTCAGCTGCCCTTG
CCCTTGGCAGCTCTCTGGCCCTGAAGCTGCCTGAGACCCGGGGGCAGGTGCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208322 protein sequence
Red=Cloning site Green=Tags(s)

MEEGFRDRAAFIRGAKDIAKEVKKHAAKKVVKGLDRVQDEYSRRSYSRFEEEDDDDDFPAPSDGYYRGEG
TQDEEEGGASSDATEGHDEDDEIYEGEYQGIPRAESGGKGERMADGAPLAGVRGGLSDGEGPPGGRGEAQ
RRKEREELAQQYEAILRECGHGRFQWTLYFVLGLALMADGVEVFVVGFVLPSAEKDMCLSDSNKGMLGLI
VYLGMMVGAFLWGGLADRLGRRQCLLISLSVNSVFAFFSSFVQGYGTFLFCRLLSGVGIGGSIPIVFSYF
SEFLAQEKRGEHLSWLCMFWMIGGVYAAAMAWAIIPHYGWSFQMGSAYQFHSWRVFVLVCAFPSVFAIGA
LTTQPESPRFFLENGKHDEAWMVLKQVHDTNMRAKGHPERVFSVTHIKTIHQEDELIEIQSDTGTWYQRW
GVRALSLGGQVWGNFLSCFGPEYRRITLMMMGVWFTMSFSYYGLTVWFPDMIRHLQAVDYASRTKVFPGE
RVEHVTFNFTLENQIHRGGQYFNDKFIGLRLKSVSFEDSLFEECYFEDVTSSNTFFRNCTFINTVFYNTD
LFEYKFVNSRLINSTFLHNKEGCPLDVTGTGEGAYMVYFVSFLGTLAVLPGNIVSALLMDKIGRLRMLAG
SSVMSCVSCFFLSFGNSESAMIALLCLFGGVSIASWNALDVLTVELYPSDKRTTAFGFLNALCKLAAVLG
ISIFTSFVGITKAAPILFASAALALGSSLALKLPETRGQVLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_014849

ORF Size: 2226 bp

Buffer: PBS with 0.001% Pluronic F6247

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: NM_014849.2

RefSeq Size: 4428 bp

RefSeq ORF: 2229 bp

Locus ID: 9900

UniProt ID: Q7L0J3

Cytogenetics: 1q21.2

MW: 82.7 kDa