

Product datasheet for **RC219395A1V**

Human Synapsin III (SYN3) (NM_003490) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Synapsin III (SYN3) (NM_003490) AAV Particle
Tag:	Myc-DDK
Symbol:	SYN3
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC219395 representing NM_003490
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAATTTCTCCGGCGACGTCTCTGACAGCAGCTTCATGGCCAACCTGCCTAATGGCTATATGACGG
 ACCTGCAACGCCAGATAGCTCCACCAGCTCACCTGCTTCCCCGCCATGGAGAGGAGGCACCCAGCC
 CCTGGCTGCCTCTTCTCTCTCCAGGATCCAGCCTTTTGTAGCTCCCTCTCCAGTGCCATGAAGCAGGCC
 CCTCAGGCCACCTCAGGACTGATGGAGCCTCCAGGTCCCTCCAGGCCATTGTTCAAAGACCCAGGATCC
 TGTTGGTGATCGATGATGCCCATACAGACTGGTCAAGTATTTCCATGGGAAGAAGGTGAATGGAGAGAT
 TGAGATCCGAGTGGAGCAGGCTGAATTCTCAGAGTTGAACCTAGCTGCCTATGTGACCGGGGCTGCATG
 GTGGACATGCAGGTCGTGAGAAATGGGACCAAGTGGTGAAGCAGATCCTCAAGCCAGACTTCATCCTGG
 TCCGCCAGCATGCCTACAGCATGGCCCTGGGGGAAGACTACCGCAGCCTGGTATCGGCCTCGAGTATGG
 AGGGCTGCCTGCTGTCAACTCTCTCTACTCCGTCTACAATTCTGCAGCAAGCCCTGGGTGTTCTCTCAG
 CTCATTAAAGATCTTCCATTCCCTGGGTCTGAGAAGTCCCGCTTGTGGAGCAAAATTTTTCCCAACC
 ATAAGCCAATGGTCACAGCCCCACACTCCCGGTGGTAGTCAAGCTGGGACATGCCCACGCTGGAATGGG
 AAAGATCAAAGTGAAAACAGCTTGACTTCCAGGACATCACCAGCGTGGTCGCCATGGCCAAAACCTAC
 GCCACCACCGAGGCCCTTCATCGACTCCAAGTACGACATCCGCATCCAGAAAATGGATCCAACCTACAAGG
 CTTACATGAGAACCTCCATCTCTGGAACTGGAAGGCCAACACAGGCTCTGCCATGCTGGAGCAGGTGGC
 CATGACAGAGAGGTACAGGCTGTGGGTGGACAGCTGCTCGAAATGTTTGGCGGCCTGGACATCTGTGCC
 GTCAAGGCTGTCCACAGCAAGGATGGCAGAGATTACATCATCGAGGTAATGGACAGCTCAATGCCGCTGA
 TTGGAGAGCATGTGGAAGAGGACAGACAGCTGATGGCCGACCTGTTGTCTCCAAATGAGCCAGCTCCC
 GATGCCAGGAGGCACAGCGCCCTCCCCCTCAGACCTTGGGCTCCACAGATTAAATCAGCGAAATCCCCA
 GGGCAAGCCCAGCTGGGGCTCAGCTAGGCCAGCCCCAGCCACGCCACCTCCGCAAGGAGGCCCTCGCC
 AAGCTCAGTCTCTCAGCCCCAGAGATCTGGAAGCCCCTCCCAACAGAGGCTCTCCCCACAAGGCCAGCA
 GCCCCTGAGCCCCCAGTCCGGATCTCCACAGCAGCAAGGTACCAGGCTCTCCGAGCTATCCCGGGCA
 TCCAGTGGCAGCTCCCCAAACCAGGCCCTCAAGCCAGGTGCCACCCTCGCTCACAGCCCCGGCCCCCTG
 TGCAGGGCCGTAGTACCTCCAGCAGGGTGAAGAGTCCAAGAAGCCAGCACCACCCATCCGCATCTCAA
 CAAATCTCAGTCCCTGACTAACAGCCTCAGCACATCCGACACCTCCAGCGTGGGACCCCAAGTGAAGAC
 GAGGCCAAGGCTGAAACCATCCGCAACCTGAGGAAGTCTTTTGCAGCCTGTTCTCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MNFLRRRLSDSSFMANLPNGYMTDLQRPDSSTSPASPAMERRHPQPLAASFSSPGSSSLFSSLSSAMKQA
 PQATSGLMEPPGPSTPIVQRPRILLVIDDAHTDWSKYFHGKKVNGEIEIRVEQAEFSELNLAAYVTGGCM
 VDMQVVRNGTKVVSRSFKPDFILVRQHAYSMALGEDYRSLVIGLQYGGPLAVNSLYSVYNFCSKPWFVSQ
 LIKIFHSLGPEKFPLVEQTFPPNHKPMVTAPHPVVKLGHAHAGMGKIKVENQLDFQDITSVVAMAKTY
 ATTEAFIDSKYDIRIQIGSNYKAYMRTSISGNWKANTGSAMLEQVAMTERYRLWVDSCEMFGLDICA
 VKAVHSKDGRIYIEVMDSSMPLIGEHEVEDRQLMADLVSKMSQLPMPGGTAPSPLRWAPQIKSAKSP
 GQAQLGPQLGQPQPRPPQGGPRQAQSPQQRSGSPSQQLSPQGQQLSPQSGSPQQRSPGSPQLSRA
 SSGSSPNQASKPGATLASQPRPPVQGRSTSQQGEESKKPAPPHPHLNKSQSLTNSLTSDTSQRGTPSED
 EAKAETIRNLRKSFASLFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_003490
ORF Size:	1740 bp
Buffer:	PBS with 0.001% Pluronic F7986
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_003490.2</u>
RefSeq Size:	2918 bp
RefSeq ORF:	1743 bp
Locus ID:	8224
UniProt ID:	<u>O14994</u>
Cytogenetics:	22q12.3
MW:	63.1 kDa