

Product datasheet for **RC220773A1V**

Human G protein regulated inducer of neurite outgrowth 2 (GPRIN2) (NM_014696) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human G protein regulated inducer of neurite outgrowth 2 (GPRIN2) (NM_014696) AAV Particle
Tag:	Myc-DDK
Symbol:	G protein regulated inducer of neurite outgrowth 2
Synonyms:	GRIN2; KIAA0514
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC220773 representing NM_014696
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTCCAGCCACCCCGAGCCGGTCCCTGGGCACCCCTGAGCCCCGCCCTCAGCCCCTGTCCAGA
 GCTCTCCAGCCTGCTGGGTGAAGGCCGGGAACAGAGGCCAGAGCTCCACAAGACTGCCAGCAGCACCAT
 GTGGCAGGCCAGCTGGGCGAGGCCAGCACCAGACCCAGGCCCGGAGGAAGAGGGGAACCCGCCCTGAG
 AGCATGAAGCCAGCACGGGCTCTGGCCCAAGGCGGACCCAGTGTGGAGGCCACTGGCGGAGCAGCA
 CTGTGGCAATGTGTCCACCATGGGCGGTGGTACCTTTGTGCGCTGCGGGCCCCAGTGTCTGTCTAT
 GCAGAGGAGCCATTAGACCTGGTCCGTAGCACCCAGATGCGGGGACACAGTGGTGTCTCGGAAGGCCAGT
 CTCAGCTGCTCAGCCCTTGGCAGCAGCCCTGTCCACAGGGCTCAGCTGCAGCCAGGTGGTACTTCTGGCC
 AGGGTGGCCAGGCCCTGCAGGCTGAAAGGGACCTGGCTCCTGAGGATGAGACTTCTAACTCAGCCTG
 GATGCTGGGGGCGAGTCACTTGTGGTCCACCTAGACCTGGGGGACACAACCGCCACAGCAGCAGT
 GCCCAGCTGAGCCAAAGCTGCTGAACAGTGGTACCACCCTGCCATGCTCTGCCCCAGCTGCTC
 TACTCTGTGGCATGAGGGAGATGAGGGAGTGGGGGCTGGTGGCTGCTGCCATGCCCTACCTGCCACAGG
 GATCCTGGCCTTTCCAAACTAGTGGCGTCACTGAGCGAGTCTGGGCTGCAGGCTCAGCATGGGGTGAAG
 ATCCACTGTAGGTTGTCTGGGGGCTCCCTGGGCACTCCATTGCTGTGCCACCTTTGGGGTCCCGCTG
 GGTTAGTCCCAGAGCCTGGCTCTAGGACCAAAGATGTGTGGACCATGACCTCAGCCAATGACTTGGCCCC
 TGCAGAGGCATCCCCGCTGTAGCCAGGATGCTGGTGTGCAGGCGGCCAGTGGCGGCTGCAAGGCT
 GTGGCCACCAGTCCGTCCTGGAAGCGCTGCAGCCCTGCATGTGTTCCAGAGGTAACCTGGGGTCCA
 GCCTGGAGGAGGCGCCCTCCCTGTGCGGGATGTGCGATGGGATGCTGAGGGCATGACATGGGAGGTGTA
 CGGAGCTGCGGTGGACCCGAGGTGCTCGGTGTGGCCATCCAGAAGCACCTGGAGATGCAGTTTGAGCAG
 CTGCAGCGGGCGCTGCCAGCGAGGACAGCCTGTCTGTGGAGGGCCGGAGGGGGCCGCTGCGGGTGTCA
 TGCAGTCCCTGCGGCGCCCCAGCTGCTGCGGCTGCTCTGGCGGGCCCCGAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MSSSRPEPGPWAPLSPRLQPLSQSSSLLGEGREQRPELHKTASSTMWQAQLGEASTRPOAPEEEGNPPE
 SMKPARASGPKARPSAGGHWRSSTVGNVSTMGGDLRLRAPSAAAMQRSHSDLVRSTQMRGHSARKAS
 LSCSALGSSPVHRAQLQPGGTSQGQAPAGLERDLAPEDETSNSAWMLGASQLSVPPLDLGDTTAHSSS
 AQAEPKAAEQLATTTCHALPPAALLCGMREMREVGAGGCHALPATGILAFPKLVASVSESLQAQHGVK
 IHCRLSGGLPGHSHCCAHLWGPAGLVPEPGSRTKDVWTMTSANDLAPAEASPLSAQDAGVQAAPVAACKA
 VATSPSLEAPAALHVFPEVTLGSSLEEAPSPVRDVRWDAEGMTWEVYGAAVDPEVLGVAIQKHLEMQFEQ
 LQRAPASEDSLVEGRRGPLRAVMQSLRRPSCCGCSGAAPETRTRPLEQKLISEEDLAANDILDYKDDDD
 KV*

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_014696

ORF Size:

1383 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_014696.2</u> , <u>NP_055511.1</u>
RefSeq Size:	1896 bp
RefSeq ORF:	1377 bp
Locus ID:	9721
UniProt ID:	<u>O60269</u>
Cytogenetics:	10q11.22
MW:	47.3 kDa