

Product datasheet for **RC222787A1V**

Human AMPK gamma 3 (PRKAG3) (NM_017431) AAV Particle

Product data:

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|---------------------------|------------------------------------------------------|
| Product Type: | AAV Particles |
| Product Name: | Human AMPK gamma 3 (PRKAG3) (NM_017431) AAV Particle |
| Tag: | Myc-DDK |
| Symbol: | AMPK gamma 3 |
| Synonyms: | AMPKG3; SMGMQTL |
| Mammalian Cell Selection: | None |
| Vector: | pAAV-AC-Myc-DDK (PS100089) |



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ORF Nucleotide Sequence:

>RC222787 representing NM_017431
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGCCCGGGCTGGAGCAGCACTGCGCAGGACCCCTTCTGGAGCAGCCTTGGGGTCTGAGCATC
 AAGAGATGAGCTTCTAGAGCAAGAAAACAGCAGCTCATGGCCATCACCAGCTGTGACCAGCAGCTCAGA
 AAGAATCCGTGGGAAACGGAGGGCCAAAGCCTTGAGATGGACAAGGCAGAAAGTCGGTGGAGGAAGGGGAG
 CCACCAGGTCCAGGGGAAGTCCCGGTCCAGGCCAGCTGCTGAGTCCACCGGGCTGGAGGCCACATTCC
 CCAAGACCACACCCTTGCTCAAGCTGATCCTGCCGGGTGGGCACTCCACCAACAGGGTGGGACTGCCT
 CCCCTCTGACTGTACAGCCTCAGCTGCAGGCTCCAGCACAGATGATGTGGAGCTGGCCACGGAGTCCCA
 GCCACAGAGGCCTGGGAGTGTGAGCTAGAAGGCCTGCTGGAAGAGAGGCCTGCCCTGTGCCTGTCCCGC
 AGGCCCATTTCCAAGCTGGGCTGGGATGACGAACCTGCGGAAACCCGGCGCCAGATCTACATGCGCTT
 CATGCAGGAGCACACCTGCTACGATGCCATGGCAACTAGCTCCAAGCTAGTCATCTTCGACACCATGCTG
 GAGATCAAGAAGCCCTTCTTGTCTGGTGGCCAACGGTGTGCGGGCAGCCCTCTATGGACAGCAAGA
 AGCAGAGCTTTGTGGGATGCTGACCATCACTGACTTCATCCTGGTGTGCATCGCTACTACAGGTCCCC
 CCTGGTCCAGATCTATGAGATTGAACAACATAAGATTGAGACCTGGAGGGAGATCTACCTGCAAGGCTGC
 TTCAAGCCTCTGGTCTCCATCTCCTAATGATAGCCTGTTTGAAGCTGTCTACACCCTCATCAAGAACC
 GGATCCATCGCCTGCCTGTTCTTGACCCGGTGTGAGGCAACGTAACCTCCACATCCTCACACAAAACGCT
 GCTCAAGTTCCTGCACATCTTTGGTTCCTGCTGCCCGGCCCTCTTCTCTACCGCACTATCCAAGAT
 TTGGGCATCGGCACATTCGAGACTTGGCTGTGGTGTGGTCAACGAATGTGGTCAAGTCTGCTGAGTCA
 TCTTTGTGGACCGCGTGTGCTGCACTGCCTGTGGTCAACGAATGTGGTCAAGTCTGCTGAGTCA
 CCGCTTTGATGTGATTACCTGGCTGCCAGCAAACCTACAACCACCTGGACATGAGTGTGGGAGAAGCC
 CTGAGGAGAGGACACTATGTCTGGAGGAGTCTTTCTGCCAGCCCCACGAGAGCTTGGGGGAAGTGA
 TCGACAGGATTGCTCGGGAGCAGGTACACAGGCTGGTGTAGTGGACGAGACCCAGCATCTCTGGGCGT
 GGTCTCCCTCTCCGACATCCTTCAGGCACTGGTGTGCTGACCCCTGCTGGCATCGATGCCCTCGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222787 representing NM_017431
 Red=Cloning site Green=Tags(s)

MEPGLHALRRTPSWSSLGGSEHQEMSFLQENSSWSPAVTSSSERIRGKRRAKALRWTRQKSVEEGE
 PPGQGEGRSRPAAESTGLEATFPKTTPLAQADPAGVGTPTGWDCPLPSDCTASAAGSSTDDVELATEFP
 ATEAWECELEGLLEERPALCLSPQAPFPKLGWDELKPKGAQIYMRMQEHTCYDAMATSSKLVIFDTML
 EIKKAFVALVANGVRAAPLWDSKKQSFVGM LITDFILVLHRYRSPLVQIYIEIEQHKIETWREIYLQGC
 FKPLVVISPNDSLFEAVYTLIKNRIHRLPVLDPVSGNVLHILTHKRLKFLHIFGSLLRPSFLYRTIQD
 LGIGTFRDLAVVLETAPILTALDIFVDRRVSALPVVNECGQVGLYSRFDVIHLAAQQTYNHLDMSVGEA
 LRQRTLCEGLVSCQPHESLGEVIDRIAREQVHRLVLVDETQHLLGVVSLSDILQALVLSPAGIDALGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_017431

ORF Size:

1467 bp

Buffer:

PBS with 0.001% Pluronic F68

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| 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_017431.2</u> |
| RefSeq Size: | 2299 bp |
| RefSeq ORF: | 1470 bp |
| Locus ID: | 53632 |
| UniProt ID: | <u>Q9UGI9</u> |
| Cytogenetics: | 2q35 |
| MW: | 54.1 kDa |