

Product datasheet for **RC209137A1V**

Human GRK5 (NM_005308) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GRK5 (NM_005308) AAV Particle
Tag:	Myc-DDK
Symbol:	GRK5
Synonyms:	FP2025; GPRK5
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC209137 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGCTGGAACATCGTGGCCAACACGGTCTTGCTGAAAGCCAGGGAAGGGGCGGAGGAAAGCGCA
 AAGGGAAAAGCAAGAAGTGGAAGAAATCCTGAAGTTCCTCACATTAGCCAGTGTGAAGACCTCCGAAG
 GACCATAGACAGAGATTACTGCAGTTTATGTGACAAGCAGCAATCGGGAGGCTGCTTTCCGGCAGTTT
 TGTGAAACCAGGCCTGGGCTGGAGTGTACATTCAGTTCCTGGACTCCGTGGCAGAATATGAAGTTACTC
 CAGATGAAAACTGGGAGAGAAAGGGAAGAAATTATGACCAAGTACCTACCCCAAAGTCCCCTGTTTT
 CATAGCCCAAGTTGGCCAAGACCTGGTCTCCAGACGGAGGAGAAGCTCTACAGAAGCCGTGCAAGAA
 CTCTTTTCTGCCTGTGCACAGTCTGTCCACGAGTACCTGAGGGGAGAACCATTCCACGAATATCTGGACA
 GCATGTTTTTTGACCGCTTCTCCAGTGAAGTGGTTGAAAGGCAACCGGTGACCAAAAACACTTTCAG
 GCAGTATCGAGTCTAGGAAAAGGGGGTTCGGGGAGGTCTGTGCTGCCAGTTTCGGGCCACGGGTAAA
 ATGTATGCCTGCAAGCGCTTGGAGAAGAAGAGGATCAAAAAGAGGAAAGGGGAGTCCATGGCCCTCAATG
 AGAAGCAGATCCTCGAGAAGGTCAACAGTCAGTTTGTGGTCAACCTGGCCTATGCCTACGAGACCAAGGA
 TGCAGTGTGCTTGGTCTGACCATCATGAATGGGGTGACCTGAAGTTCCACATCTACAACATGGGCAAC
 CCTGGCTTCGAGGAGGAGCGGGCCTTGTATGCGGCAGAGATCCTCTGCGGCTTAGAAGACCTCCACC
 GTGAGAACACCGTCTACCGAGATCTGAAACCTGAAAACATCCTGTTAGATGATTATGGCCACATTAGGAT
 CTCAGACCTGGGCTTGGCTGTGAAGATCCCCGAGGAGACCTGATCCGCGGCCGGGTGGGCACTGTTGGC
 TACATGGCTCCAGAGTCTGAAACACAGAGGTACGGCTGAGCCCCGACTACTGGGGCCTTGGCTGCC
 TCATCTATGAGATGATCGAGGGCCAGTCGCCGTTCCGCGGCCGCAAGGAGAAGGTGAAGCGGGAGGAGGT
 GGACCGCGGGTCTGGAGACGGAGGAGGTGTACTCCACAAGTTCTCCGAGGAGGCCAAGTCCATCTGC
 AAGATGCTGCTCACGAAAGATGCGAAGCAGAGGCTGGGCTGCCAGGAGGAGGGGCTGCAGAGGTCAAGA
 GACACCCCTTCTTCAGGAACATGAACTTCAAGCGCTTAGAAGCCGGGATGTTGGACCCTCCCTTCGTTCC
 AGACCCCGCGCTGTGTACTGTAAGGACGTGCTGGACATCGAGCAGTTCTCCACTGTGAAGGGGCTCAAT
 CTGGACCACACAGACGACGACTTCTACTCCAAGTTCTCCACGGGCTCTGTGTCCATCCCATGGCAAAACG
 AGATGATAGAAACAGAATGCTTTAAGGAGCTGAACGTGTTTGGACCTAATGGTACCCTCCCGCCAGATCT
 GAACAGAAACCACCTCCGGAACGCCAAGAAAGGGTGTCTCCAGAGACTCTTCAAGCGGCAGCATCAG
 AACAAATCCAAGAGTTCGCCAGCTCCAAGACCAGTTTAAACCACCACATAAACTCAAACCATGTCAGCT
 CGAACTCCACCGAAGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209137 protein sequence
 Red=Cloning site Green=Tags(s)

MELNIVANTVLLKAREGGGKRGKSKKWEILKFPHISQCEDLRRTIDRDYCSLSDKQPIGRLLFRQF
 CETRPGLECYIQFLDSVAEYEVTPDEKLGEKGKEIMTKYLTPKSPVFIQVQDQVLSQTEKLLQKPKCE
 LFSACAQSVHEYLRGEFHEYLDSMFDRFLQKWLERQPVTKNTFRQYRVLGKGGFGEVCACQVRATGK
 MYACKRLEKKRIKKRGESMALNEKQILEKVSQFVVNLAYAYETKDALCLVLTIMNGDLKFHIYNMGN
 PGFEERALFYAAEILCGLEDLHRENTVYRDLKPENILLDDYGHIRISDLGLAVKIPEGDLIRGRVGTG
 YMAPEVLNNQRYGLSPDYWGLGLIYEMIEGQSPFRGRKEKVKREEVDRRVLETEEVYSHKFSEEAKSIC
 KMLLTDAKQRLGCGEEGAAEVKRHPFFRNMNFKRLEAGMLDPPFVPDRAVYCKDVLIDIEQFSTVKGVN
 LDHTDDDFYSKFSTGVSIPWQNEIETECFKELVNFGPNGTLPDDLNRNHPPEPPKKGLLQRLFKRQHQ
 NNSKSSPSSKTSFNHHINSNHVSSNSTGSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_005308
ORF Size:	1770 bp
Buffer:	PBS with 0.001% Pluronic F6375
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_005308.2</u>
RefSeq Size:	2575 bp
RefSeq ORF:	1773 bp
Locus ID:	2869
UniProt ID:	<u>P34947</u>
Cytogenetics:	10q26.11
MW:	67.8 kDa