

## Product datasheet for **RC224049A1V**

### Human GRK6 (NM\_001004105) AAV Particle

#### Product data:

|                |                            |
|----------------|----------------------------|
| Product Type:  | AAV Particles              |
| Tag:           | Myc-DDK                    |
| Symbol:        | GRK6                       |
| Synonyms:      | GPRK6                      |
| Mammalian Cell | None                       |
| Selection:     |                            |
| Vector:        | pAAV-AC-Myc-DDK (PS100089) |



**ORF Nucleotide Sequence:** >RC224049 representing NM\_001004105  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGCTCGAGAACATCGTAGCGAACACGGTGTCTACTCAAGGCCCGGAAGGTGGCGGTGAAATCGCA  
 AAGGCAAAAGCAAGAAATGGCGGCAGATGCTCCAGTTCCTCACATCAGCCAGTGCGAAGAGCTGCGGCT  
 CAGCCTCGAGCGTGAATACACAGCCTGTGCGAGCGGCAGCCATTGGGCGCCTGCTGTTCCGAGAGTTC  
 TGTGCCACGAGGCCGAGCTGAGCCGCTGCGTCGCCTTCTGGATGGGTGGCCGAGTATGAAGTGACCC  
 CGGATGACAAGCGGAAGGCATGTGGCGGCAGCTAACGCAAGATTTCTGAGCCACACGGGTCTGACCT  
 CATCCCTGAGGTCCCCCGCAGCTGGTGACGAAGTGCACCCAGCGGTGGAGCAGGGTCCCTGCAAGAC  
 CTTTTCCAGGAAGTCAACCGGCTGACCCAGAGTACCTGAGCGTGGCCCTTTTGCCGACTACCTCGACA  
 GCATCTACTTCAACCGTTTCTGCAAGTGAAGTGGTGGAAAGGCAGCCAGTGACCAAAACACCTTCAG  
 GCAATACCGAGTCTGGGCAAGGTGGCTTTGGGAGGTGTGCGCTGCCAGGTGCGGGCCACAGGTAAG  
 ATGTATGCCTGCAAGAAGCTAGAGAAAAAGCGGATCAAGAAGCGGAAAGGGGAGGCCATGGCGCTGAACG  
 AGAAGCAGATCCTGGAGAAAGTGAACAGTAGGTTTGTAGTGAGCTTGGCCTACGCCTATGAGACCAAGGA  
 CGCGCTGTGCCTGGTGTGACACTGATGAACGGGGCGACCTCAAGTTCACATCTACCACATGGGCCAG  
 GCTGGCTTCCCGAAGCGCGGGCGCTTCTACGCCGCGAGATCTGCTGTGGCCTGGAGGACCTGCACC  
 GGGAGCGCATCGTGTACAGGGACCTGAAGCCCGAGAAGTCTTGGTGGATGACCACGGCCACATCCGCAT  
 CTCTGACCTGGGACTAGCTGTGCATGTGCCGAGGGCCAGACCATCAAAGGGCGTGTGGGACCGTGGGT  
 TACATGGCTCCGGAGGTGGTGAAGATGAACGGTACACGTTACAGCCTGACTGGTGGGCGCTCGGCTGCC  
 TCCTGTACGAGATGATCGCAGGCCAGTGCCTTCCAGCAGAGGAAGAAGAAGTCAAGCGGGAGGAGGT  
 GGAGCGGCTGGTGAAGGAGGTCCCCGAGGAGTATCCGAGCGCTTTCCCGCAGGCCCGCTCACTTTGC  
 TCACAGCTCCTCTGCAAGGACCTGCCGAACGCCTGGGTGTCTGGGGGCAAGTCCCGCAGGTTGAAGG  
 AGCACCCCTCTTTAAGAAGCTGAAGTCAAGCGGTGGGAGCTGGCATGCTGGAGCCGCCGTTCAAGCC  
 TGACCCCGAGGCCATTTACTGCAAGGATGTTCTGGACATTGAACAGTTCCTACGGTCAAGGGCGTGGAG  
 CTGGAGCCTACCGACCGAGGACTTCTACGAAAGTTTGGCACAGGCAGTGTGCCATCCCTGGCAGAAGC  
 AGATGGTGGAGACCGAGTGCTTCCAAGAGCTGAATGTCTTTGGGCTGGATGGCTCAGTTCCTCCAGACCT  
 GGACTGGAAGGGCCAGCCACCTGCACCTCTAAAAGGGACTGCTGCAGAGACTCTTCAGTCGCCAAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC224049 representing NM\_001004105  
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MELNIVANTVLLKAREGGGNRKGKSKKWRQMLQFPHISQCEELRLSLERDYHSLCERQPIGRLLFREF  
 CATRPEL SRCVAFLDGVAEYVTPDDKRKACGRQLTQNFLSHTGPDLIPEVPRQLVTNCTQRLEQGPCKD  
 LFQELTRLTHEYLSVAPFADYLDISIYFNRFQWKWLERQPVTKNTFRQYRVLGKGGFGEVCACQVRATGK  
 MYACKKLEKKRIKKRGEAMALNEKQILEKVNSRFVSLAYAYETKDALCLVLTLMNGGDLKFHIYHMQ  
 AGFPEARAVFYAAEICCGLDLHRERIVYRDLKPENILLDDHGHIRISDLGLAVHVPEGQTIKGRVGTG  
 YMAPEVVKERNYTFSPDWWALGCLLYEMIAGQSPFQQRKKIKREEVERLVKEVPPEYSERFSPQARSLC  
 SQLLCKDPAERLGRGGSAREVKEHPLFKKLNFKRLGAGMLEPPFKPDPAIYCKDVLIDIEQFSTVKGVE  
 LEPTDQDFYQKFATGSVPWPQNMVETECFQELNVFGLDGSVPPDLWKGGPPAPPKGLLQRLF SRQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:** Human  
**Serotype:** AAV-2  
**ACCN:** NM\_001004105  
**ORF Size:** 1680 bp

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Buffer:</b>       | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Stability:</b>    | 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. |
| <b>RefSeq:</b>       | <u><a href="#">NM_001004105.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq Size:</b>  | 1925 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1683 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 2870                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>   | <u><a href="#">P43250</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 5q35.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MW:</b>           | 64.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |