

## Product datasheet for **RC211824A1V**

### Human GRK7 (NM\_139209) AAV Particle

#### Product data:

|                           |                                     |
|---------------------------|-------------------------------------|
| Product Type:             | AAV Particles                       |
| Product Name:             | Human GRK7 (NM_139209) AAV Particle |
| Tag:                      | Myc-DDK                             |
| Symbol:                   | GRK7                                |
| Synonyms:                 | GPRK7                               |
| Mammalian Cell Selection: | None                                |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)          |



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**ORF Nucleotide Sequence:**

>RC211824 representing NM\_139209  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGACATGGGGCCCTGGACAACCTGATCGCCAACACCGCCTACCTGCAGGCCCGGAAGCCCTCGG  
 ACTGCGACAGCAAAGAGCTGCAGCGGCGGCGGCTAGCCTGGCCCTGCCCGGCTGCAGGGCTGCGCGGA  
 GCTCCGCCAGAAGCTGTCCCTGAACCTCCACAGCCTGTGTGAGCAGCAGCCATCGGTCGCCGCCTCTTC  
 CGTGACTTCTAGCCACAGTGCCACGTTCCGCAAGGCGGCAACCTTCTAGAGGACGTGCAGAAGTGGG  
 AGCTGGCCGAGGAGGACCCACCAAGACAGCGCTGCAGGGGCTGGTGGCACTTGTGCGAGTGCCCC  
 TGCCCCGGGAACCCGCAACCTTCTCAGCCAGGCGGTGGCCACCAAGTGCCAAGCAGCCACCACTGAG  
 GAAGAGCGAGTGGCTGCAGTGACGCTGGCAAGGCTGAGGCCATGGCTTTCTTGAAGAGCAGCCCTTTA  
 AGGATTTCTGACACGCGCTTCTACGACAAGTTCTGCAGTGAAACTCTTCGAGATGCAACCACTGTC  
 AGACAAGTACTTCACTGAGTTGAGAGTCTGGGAAAGGTGGTTTGGGAGGTATGTGCCGTCCAGGTG  
 AAAAAGCTGGGAAGATGTATGCCTGTAAAGAACTGGACAAGAAGCGGCTGAAGAAGAAAGGTGGCGAGA  
 AGATGGCTCTCTTGGAAAAGGAAATCTTGGAGAAGGTCAGCAGCCCTTTCATTGTCTCTCTGGCCTATGC  
 CTTTGAGAGCAAGACCCATCTCTGCCTTGTGATGAGCCTGATGAATGGGGGAGACCTCAAGTTCCACATC  
 TACAACGTGGGCACGCGTGGCCTGGACATGAGCCGGGTGATCTTTACTCGGCCAGATAGCCTGTGGGA  
 TGCTGCACCTCCATGAACCTCGGCATCGTCTATCGGGACATGAAGCCTGAGAATGTGCTTCTGGATGACCT  
 CGGCAACTGCAGGTTATCTGACCTGGGCTGGCGTGGAGATGAAGGTGGCAAGCCCATACCCAGAGG  
 GCTGGAACCAATGGTTACATGGCTCTGAGATCCTAATGAAAAGGTAAGTTATTCCTATCCTGTGGACT  
 GGTTTGCCATGGGATGCAGCATTTATGAAATGGTTGCTGGACGAACACCATTCAAAGATTACAAGAAAA  
 GGTCAGTAAAGAGGATCTGAAGCAAAGAACTCTGCAAGACGAGGTCAAATTCAGCATGATAACTTCACA  
 GAGGAAGCAAAAGATATTTGAGGCTCTTCTTGCTAAGAAACAGAGCAACGCTTAGGAAGCAGAGAAA  
 AGTCTGATGATCCAGGAAACATCATTTCTTTAAACGATCAACTTCTCGCCTGGAAGCTGGCCTAAT  
 TGAACCCCATTTGTGCCAGACCCTTCAGTGGTTTATGCCAAGACATCGCTGAAATTGATGATTCTCT  
 GAGGTTGCGGGGTGGAATTTGATGACAAAGATAAGCAGTTCTTCAAAACTTTGCGACAGGTGCTGTTT  
 CTATAGCATGGCAGGAAGAAATTATAGAAACGGGACTGTTTGAGGAAGTGAATGACCCCAACAGACCTAC  
 GGGTTGTGAGGAGGTAATTCATCCAAGTCTGGCGTGTGTTTGTATTG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:**

>RC211824 representing NM\_139209  
 Red=Cloning site Green=Tags(s)

MVDMGALDNL IANTAYLQARKPSDCDSKELQRRRRSLALPGLQGCAELRQKLSLNFHSLCEQQPIGRRLF  
 RDFLATVPTFRKAATFLEDVQNWELAEEGPTKDSALQGLVATCASAPAGNPQPFLSQAVATKCQAATTE  
 EERVAAVTLAKAEAMAFLEQPFKDFVTSFYDKFLQWKL FEMQPVSDKYFTEFRVLGKGGFGEVCAVQV  
 KNTGKMYACKLDDKRLKKKGGEKMALLEKEILEKVSSPFIVSLAYAFESKTHLCLVMSLMNGGDLKFHI  
 YNVGTRGLDMSRVIFYSAQIACGMLHLHELGIYRDMKPENVLLDDLGNCRSLDLGLAVEMKGGKPIQ  
 AGTNGYMAPEILMEKVSYSYPVDWFAMGCSIYEMVAGRTPFKDYKEKVSKEDEKQRTLQDEVKFQHDNFT  
 EEAKDICRLFLAKKPEQRLGSRKSDPRKHFFKTINFPRLEAGLIEPPFVPDPSVVYAKDIAEIDDFS  
 EVRGVEFDDKDKQFFKNFATGAVPIAWQEEIIETGLFEELNDPNRPTGCEEGNSSKSGVCLLL

**SGP**TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_139209

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ORF Size:</b>     | 1659 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>NM_139209.2, NP_631948.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>  | 1746 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1662 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 131890                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>   | <u>Q8WTQ7</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 3q23                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MW:</b>           | 62 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |