

## Product datasheet for **RC202472A1V**

### Human PKC zeta (PRKCZ) (NM\_002744) AAV Particle

#### Product data:

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Product Type:             | AAV Particles                                   |
| Product Name:             | Human PKC zeta (PRKCZ) (NM_002744) AAV Particle |
| Tag:                      | Myc-DDK                                         |
| Symbol:                   | PRKCZ                                           |
| Synonyms:                 | PKC-ZETA; PKC2                                  |
| Mammalian Cell Selection: | None                                            |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                      |



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## ORF Nucleotide Sequence:

>RC202472 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGCCAGCAGGACCGGCCCAAGATGGAAGGGAGCGGCGCCGCGTCCGCTCAAGGCGCATTACGGGG  
 GGGACATCTTCATCACCAGCGTGGACGCGCCACGACCTTCGAGGAGCTCTGTAGGAAGTGAGAGACAT  
 GTGTGCTCTGCACCAGCAGCACCCGCTCACCCTCAAGTGGGTGGACAGCGAAGGTGACCTTGCACGGTG  
 TCCTCCAGATGGAGCTGGAAGAGGCTTCCGCTGGCCGTCAGTGCAGGGATGAAGGCCTCATCATTC  
 ATGTTTTCCCGAGCACCCCTGAGCAGCCTGGCTGCCATGTCCGGGAGAAGACAAATCTATCTACCGCCG  
 GGGAGCCAGAAGATGGAGGAAGCTGTACCGTGCCAACGGCCACCTCTTCAAGCCAAGCGCTTTAACAGG  
 AGAGCGTACTGCGGTGAGTGCAGCGAGAGGATATGGGGCTCGCGAGGCAAGGCTACAGGTGCATCAACT  
 GCAAACCTGCTGGTCCATAAGCGCTGCCACGGCCTCGTCCGCTGACCTGCAGGAAGCATATGGATTCTGT  
 CATGCCTTCCAAGAGCCTCCAGTAGACGACAAGAACGAGGACCGGACCTTCTTCCGAGGAGACAGAT  
 GGAAATGCTTACATTTCTCATCCCGAAGCATGACAGCATTAAAGACGACTCGGAGGACCTTAAGCCAG  
 TTATCGATGGGATGGATGGAATCAAAATCTCTCAGGGGCTTGGGTGCAGGACTTTGACCTAATCAGAGT  
 CATCGGGCGGGGAGCTACGCCAAGGTTCTCCTGGTGCAGTGAAGAAGAATGACCAATTTACGCCATG  
 AAAGTGGTGAAGAAAGAGCTGGTGCATGATGACGAGGATATTGACTGGGTACAGACAGAGAAGCAGTGT  
 TTGAGCAGGCATCCAGCAACCCCTTCTGGTGGATTACACTCCTGCTTCCAGACGACAAGTCCGTTGTT  
 CCTGGTCATTGAGTACGTCAACGGCGGGGACCTGATGTTCCACATGCAGAGGCAGAGGAAGCTCCCTGAG  
 GAGCAGCCAGGTTCTACGCGGCGGAGATCTGCATCGCCCTCACTTCTGCAGGAGGGGGATCATCT  
 ACAGGGACCTGAAGCTGGACAACGTCTCTGGATGCGGACGGGCACATCAAGCTCACAGACTACGGCAT  
 GTGCAAGGAAGGCTGGGCCCTGGTGACACAACGAGCACTTTCTGCGGAACCCGAATTACATCGCCCCC  
 GAAATCTGCGGGGAGAGGAGTACGGGTTGAGCGTGGACTGGTGGGCGTGGGAGTCTCATGTTTGAGA  
 TGATGGCGGGCGCTCCCGTTGACATCATCACCACAACCCGGACATGAACACAGAGGACTACCTTTT  
 CCAAGTGATCCTGGAGAAGCCCATCCGGATCCCCGGTTCCTGTCCGTCAAAGCCTCCCATTGTTTAAAA  
 GGATTTTTTAAATAAGGACCCCAAGAGAGGCTCGGCTGCCGGCCACAGACTGGATTTTCTGACATCAAGT  
 CCCACGCTTCTCCGAGCATAGACTGGGACTTGCTGGAGAAGAAGCAGGCGCTCCCTCCATTCCAGCC  
 ACAGATCACAGACGACTACGGTCTGGACAACCTTTGACACACAGTTACCAGCGAGCCCGTGCAGTGACC  
 CCAGACGATGAGGATGCCATAAAGAGGATCGACCAGTCAGAGTTCGAAGGCTTTGAGTATATCAACCCAT  
 TATTGCTGTCCACCGAGGAGTCCGTG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC202472 protein sequence  
 Red=Cloning site Green=Tags(s)

MPSRTGPKMEGSGGRVRLKAHYGGDIFITSVDAATTFEELCEEVRDMCRLHQHPLTLKWVDSEDPCTV  
 SSQMELEEAFLARQCRDEGLIIHVFPSTPEQPLPCPGEDKSIYRRGARRWRKLYRANGHLFQAKRFNR  
 RAYCGQCSERIWGLARQGYRCINCKLLVHKRCHGLVPLTCRKHMDSVMPSQEPVDDKNEDADLPSEETD  
 GIAYISSSRKHDSIKDDSEDLKPVIDGMDGIKISQGLGLQDFDLIRVIGRGSYAKVLLVRLKKNQDIYAM  
 KVVKKELVHDDIDWVQTEKHVFEQASSNPFLVGLHSCFQTTSRLFLVIEYVNGGDLFMHMQRQKLPE  
 EHARFYAAEICIALNFLHERGIIYRDLKLDNVLLDADGHIKLDYGMCKEGLGPGDTTSTFCGTPNYIAP  
 EILRGEYGFSDVWALGVLMFEMMAGRSPFDIITDNPDMNTEDYLFQVILEKPIRIPRFLSVKASHVLK  
 GFLNKDPKERLGCRPQTGFSDIKSHAFFRSIDWDLLEKKQALPPFPQITDDYGLDNFDTQFTSEPVQLT  
 PDDEDAIKRIDQSEFEGFEYINPLLLSTEESV

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

## Species:

Human

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Serotype:</b>     | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>         | NM_002744                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORF Size:</b>     | 1776 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Buffer:</b>       | PBS with 0.001% Pluronic F5340                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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_002744.3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>  | 2359 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1779 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 5590                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>   | <u>Q05513</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 1p36.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>           | 67.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |