

## Product datasheet for **RC201795A1V**

### Human PLK1 (NM\_005030) AAV Particle

#### Product data:

|                           |                                     |
|---------------------------|-------------------------------------|
| Product Type:             | AAV Particles                       |
| Product Name:             | Human PLK1 (NM_005030) AAV Particle |
| Tag:                      | Myc-DDK                             |
| Symbol:                   | PLK1                                |
| Synonyms:                 | PLK; STPK13                         |
| Mammalian Cell Selection: | None                                |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)          |



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## ORF Nucleotide Sequence:

>RC201795 representing NM\_005030  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGAGTGTCTGAGTACTGCAGGGAAGCTGGCAGGGCACCGGCCGACCTGGGAAAGCCGGGTCCCCG  
 GAGTTGCAGCTCCCGGAGCTCCGGCGGGGCTCCACCGCGAAAAGAGATCCCGAGGTCTAGTGGACCC  
 ACGCAGCCGGCGCGCTATGTGCGGGGCGCTTTTGGCAAGGGCGGCTTTGCCAAGTCTCGAGATC  
 TCGGACCGGACACCAAGGAGGTGTCGCGGGCAAGATTGTGCCTAAGTCTCTGCTGCTCAAGCCGACCC  
 AGAGGGAGAAGATGTCCATGGAAATATCCATTCACCGCAGCCTCGCCACCGACGCTCGTAGGATTCCA  
 CGGCTTTTTCGAGGACAACGACTTCGTGTTCTGTTGTTGAGCTCTGCCCGCGAGGTCTCTCTGGAG  
 CTGCACAAGAGGAGGAAAGCCCTGACTGAGCCTGAGGCCGATACTACCTACGGCAAATTGTGCTTGGCT  
 GCCAGTACCTGCACCGAAACCGAGTTATTCATCGAGACCTCAAGCTGGGCAACCTTTTCTGAATGAAGA  
 TCTGGAGGTGAAATAGGGGATTTTGGACTGGCAACCAAGTCAATATGACGGGAGAGGAAGAAGACC  
 CTGTGTGGGACTCCTAATTACATAGCTCCCGAGGTGCTGAGCAAGAAAGGGCACAGTTTCGAGGTGGATG  
 TGTGGTCCATTGGGTGTATCATGTATACCTTGTAGTGGGCAAACACCTTTTGAGACTTCTTGCCTAAA  
 AGAGACCTACCTCCGGATCAAGAAGAATGAATACAGTATTCCTAAGCACATCAACCCCGTGGCCGCTCC  
 CTCATCCAGAAGATGCTTCAGACAGATCCCACTGCCCGCCCAACCTAACGAGCTGCTTAATGACGAGT  
 TCTTTACTTCTGGCTATATCCCTGCCCGTCTCCCCATCACCTGCCTGACCATTCACCAAGGTTTTCGAT  
 TGCTCCAGCAGCCTGGACCCAGCAACCGGAAGCCCTCACAGTCTCAATAAAGGCTTGAGAAACCC  
 CTGCTGAGCGTCCCGGGGAAAAAGAAACAGTGGTTCGAGAGACAGGTGAGGTGGTGCAGTCCACCC  
 TCAGTGACATGCTGCAGCAGCTGCACAGTGTCAATGCCCTCAAGCCCTCGGAGCGTGGGTGGTCAAGCA  
 AGAGGAGGTGAGGATCCTGCCTGCATCCCATCTTCTGGGTCAAGCAAGTGGGTGGACTATTCGACAAG  
 TACGGCCTTGGGTATCAGCTCTGTGATAACAGCGTGGGGTGGTCTTCAATGACTCAACACGCTCATCC  
 TCTACAATGATGGTGACAGCCTGCAGTACATAGAGCGTGACGGCACTGAGTCTACCTACCGTGAGTTC  
 CCATCCCAACTCCTTGATGAAGAAGATCACCTCCTTAAATATTTCCGCAATTACATGAGCGAGCACTTG  
 CTGAAGGCAGGTGCCAATCACGCCGCGCAAGGTGATGAGCTCGCCCGGTGCCCTACCTACGGACCT  
 GGTTCCGACCCGAGCGCCATCATCTGCACCTCAGCAACGGCAGCGTGCAGATCAACTCTTCCAGGA  
 TCACACCAAGCTCATCTTGTGCCCACTGATGGCAGCCGTGACCTACATCGACGAGAAGCGGGACTCCGC  
 ACATACCGCTGAGTCTCTGGAGGAGTACGGCTGCTGCAAGGAGCTGGCCAGCCGGCTCCGCTACGCC  
 GCACTATGGTGGACAAGCTGCTGAGCTACGCTCGGCCAGCAACCGTCTCAAGGCCTCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC201795 representing NM\_005030  
 Red=Cloning site Green=Tags(s)

MSAAVTAGKLARAPADPGKAGVPGVAAPGAPAAAPPAKEIPEVLVDPSSRRRYVRGRFLGKGGFAKCFEI  
 SDADTKEVFAGKIVPKSLLLKPHQREKMSMEISIHRSIAHQHVVGFGFFEDNDFVVFVLELCRRRSLLE  
 LHKRRKALTEPEARYYLRLQIVLGCQYLHRNRVIRDLKLGFLNEDLEVKGIDFGLATKVEYDGERKKT  
 LCGTPNYIAPEVL SKKGHSFEVDVWSIGCIMYLLVGKPPFETSCLKETYLRICKNEYSIPKHINPVAAS  
 LIQKMLQDPTARPTINELLNDEFFTSYGIPARLPITCLTIPPRFSIAPSSLDPSNRKPLTVLNKLENP  
 LPERPREKEEPVVRETGEVVDCHLSDMLQQLHSVNASKPSEGLVRQEEAEDPACIPIFWVSKWVDYSDK  
 YGLGYQLCDNSVGLFNDSTRILYNDGDSLQYIERDGTESYLTVSSHPNSLMKKITLLKYFRNYMSEHL  
 LKAGANITPREGDELARLPYLRTWFRTRSAIILHLSNGSVQINFFQDHTKLILCPLMAAVTYIDEKRDFR  
 TYRLSLLEEYGCCKELASRLRYARTMVDKLLSSRSASNRLKAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

## Species:

Human

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Serotype:</b>     | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>         | NM_005030                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORF Size:</b>     | 1809 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Buffer:</b>       | PBS with 0.001% Pluronic F5232                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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_005030.3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>  | 2204 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1812 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 5347                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>   | <u><a href="#">P53350</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 16p12.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>           | 68.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |