

## Product datasheet for **RC218794A1V**

### Human CMPK2 (NM\_207315) AAV Particle

#### Product data:

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | AAV Particles                        |
| Product Name:             | Human CMPK2 (NM_207315) AAV Particle |
| Tag:                      | Myc-DDK                              |
| Symbol:                   | CMPK2                                |
| Synonyms:                 | NDK; TMPK2; TYKi; UMP-CMPK2          |
| Mammalian Cell Selection: | None                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)           |



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**ORF Nucleotide  
Sequence:**

>RC218794 representing NM\_207315  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**

ATGGCCTTCGCCCCCGGCTCCTGCGCGGGCCACTGTGCGGGCCGCTGCTCGGGCGGCGGGGTCTGCG  
 CTGGGGCCATGGCTCCGCCGCGCGCTTCGTCCTGGAGCTTCCGACTGCACCTGGCTCACTTCGCCCT  
 AGGCGCCGACGCCCCGCGACGACGACGCCCCGACCCCGCCTGGCGGCGCTGCTGGGCCCCCGGAG  
 CGCAGCTACTCGCTGTGCGTGCCGTGACCCCGGACGCGGCTGCGGGGCGGGGTCCGGCGGCGCGGC  
 TGCACGAGCGCTGCTGCACGAGCTGCGCCGCGGCCCTTCCAGCGGTGCCAGCTGCTCAGGCTGCTCTG  
 CTACTGCCCGGGCGGCCAGGCCGGCGGCGCACAGCAAGGCTTCTGCTGCGGACCCCTGGATGACCT  
 GACACCCGGCAAGCGCTGCTCGAGCTGCTGGGCGCTGTCAGGAGGACACGCCCGCACTTGGGCGAGT  
 TCGAGGCCGACCCGCGCGGCCAGCTGTGGCAGCGCTCTGGGAGGTGCAAGACGCGAGGCGGCTGCAGGT  
 GGGCTGCGCACAGGTCTGCCCCGTCGCCGAGCCCCGCTGCACCCGGTGGTGCAGACTTGGCCAGTTCC  
 GTGGTCTTCCCGACCGGGAAGCCGCCCGGGCCGTTTTGGAGGAGTGTACCTCCTTTATTCCTGAAGCCC  
 GGGCAGTGCTTACCTGGTGCACCAAGTCCCAAAACAGATCCAGAAAGGAAAGTTCCAGGTTGTTGCCAT  
 CGAAGGACTGGATGCCACGGGTAACACCGGTGACCCAGTCACTGGCAGATTCACTTAAGGCTGTCTCT  
 TTAAAGTCAACACCTCTTGCATTGGCCAGTGGAGGAAGATCTTTGATGATGAACCAACTATCATTAGAA  
 GAGCTTTTTACTCTTTGGCAATTATATTGTGGCTCCGAAATAGCTAAAGAATCTGCCAAATCTCTGT  
 GATTGTAGACAGTACTGGCACAGCACGCCACCTATGCCATAGCCACTGAGGTGAGTGGGGTCTCCAG  
 CACCTGCCCCAGCCATCACCTGTGTACAGTGGCCAGAGGACCTGCTCAAACCTGACCTTATCTCTGC  
 TGCTCACTGTGAGTCTGAGGAGAGGTTGCAGAGGCTGCAGGGCCGGGCATGGAGAAGACAGGGAAGA  
 AGCAGAACTTGAGGCCAACAGTGTGTTTCGTCAAAAGGTAGAAATGTCTTACCAGCGGATGGAGAATCCT  
 GGCTGCCATGTGGTTGATGCCAGCCCTCCAGAGAAAAGGTCTGCAGACGGTATTAAGCCTAATCCAGA  
 ATAGTTTTAGTGAACCG

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC218794 representing NM\_207315  
 Red=Cloning site Green=Tags(s)

MAFARRLLRGPLSGPLLGRGVCAGAMAPRRFVLELPDCTLAHFALGADAPGDADAPDRLAALLGPPE  
 RSYSLCVPVTPDAGCGARVRAARLHQRLHQLRRGPFQRCQLLRLLCYCPGGQAGGAQQGFLLRDPLDDP  
 DTRQALLELLGACQEAAPRPHLGEFEADPRGQLWQRLWEVQDGRRLQVGCQVVPVPEPLHPVVPDLPS  
 VVFPDREAARAVLEECTSFIEPARAVLDLVDQCPKQIQKGFQVVAIEGLDATGKTTVTQSVADSLKAVL  
 LKSPSPSCIGWRKIFDDEPTIIRRAFYSLGNIVASEIAKESAKSPVIVDRYWHSTATYAIAATEVSGGLQ  
 HLPPAHPVYQWPEDLLKPDILLTVSPEERLQRLQGRGMEKTREEAELEANSVFRQKVMSYQRMENP  
 GCHVVDASPSREKVLQTVLSLIQNSFSEP

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_207315

**ORF Size:**

1347 bp

**Buffer:**

PBS with 0.001% Pluronic F68

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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_207315.2, NP_997198.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RefSeq Size:  | 3009 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:   | 1350 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 129607                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt ID:   | <u>Q5EBM0</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 2p25.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MW:           | 49.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |