

## Product datasheet for **RC213716A1V**

### Human p38 (MAPK14) (NM\_139013) AAV Particle

#### Product data:

|                           |                                                                                  |
|---------------------------|----------------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                                    |
| Product Name:             | Human p38 (MAPK14) (NM_139013) AAV Particle                                      |
| Tag:                      | Myc-DDK                                                                          |
| Symbol:                   | p38                                                                              |
| Synonyms:                 | CSBP; CSBP1; CSBP2; CSPB1; EXIP; Mxi2; p38; p38ALPHA; PRKM14; PRKM15; RK; SAPK2A |
| Mammalian Cell Selection: | None                                                                             |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                       |
| ORF Nucleotide Sequence:  | >RC213716 representing NM_139013<br>Red=Cloning site Blue=ORF Green=Tags(s)      |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCTCAGGAGAGGCCACGTTCTACCGGCAGGAGCTGAACAAGACAATCTGGGAGGTGCCCGAGCGTT  
ACCAGAACCTGTCTCCAGTGGGCTCTGGCGCCTATGGCTCTGTGTGTGCTGCTTTTGACACAAAACGGG  
GTTACGTGTGGCAGTGAAGAAGCTCTCCAGACCATTTCACTCCATCATTATGCGAAAAGAACCTACAGA  
GAACTGCGGTTACTTAAACATATGAAACATGAAATGTGATTGGTCTGTTGGACGTTTTTACACCTGCAA  
GGTCTCTGGAGGAATTCATGATGTGTATCTGGTGACCCATCTCATGGGGCAGATCTGAACAACATTGT  
GAAATGTCAGAAAGCTTACAGATGACCATGTTCAAGTTCCTTATCTACCAATTCTCCGAGGTCTAAAGTAT  
ATACATTCAGCTGACATAATTCACAGGGACCTAAAACCTAGTAATCTAGCTGTGAATGAAGACTGTGAGC  
TGAAGATTCTGGATTTTGGACTGGCTCGGCACACAGATGATGAAATGACAGGCTACGTGGCCACTAGGTG  
GTACAGGGCTCCTGAGATCATGCTGAACTGGATGCATTACAACCAGACAGTTGATATTTGGTCAGTGGGA  
TGCATAATGGCCGAGCTGTTGACTGGAAGAACATTGTTTCCTGGTACAGACCATATTGATCAGTTGAAGC  
TCATTTTAAGACTCGTTGGAACCCAGGGGCTGAGCTTTTGAAGAAAATCTCCTCAGAGTCTGCAAGAAA  
CTATATTCAGTCTTTGACTCAGATGCCGAAGATGAACTTTCGAATGTATTTATTGGTGCCAATCCCCTG  
GGTAAGTTGACCATATATCCTCACCTCATGGATATTGAATTGGTTATGATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC213716 representing NM_139013</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSQERPTFYRQELNKTIEWEPERYQNLSPVGSGAYGSVCAAFDTKTGLRVAVKKLSRPFQSIHAKRTYR<br/>ELRLLKHKHENVIGLLDVFTPARSLEEFNDVYLVTHLMGADLNNIVKCQKLTDDHVQFLIYQILRGLKY<br/>IHSADIIHRDLKPSNLAVNEDCELKILDFGLARHTDDEMTGYVATRWYRAPEIMLNWMHYNQTVDIWSVG<br/>CIMAELLTGRTLFPGTDHIDQLKLILRLVGTPGAELLKKISSESARNYIQSLTQMPKMNFAVFIGANPL<br/>GKLTIIYPHLMDELVMI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>                   |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ACCN:             | NM_139013                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ORF Size:         | 891 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_139013.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:      | 1312 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:       | 894 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Locus ID:         | 1432                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt ID:       | <u>Q16539</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics:     | 6p21.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MW:               | 33.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |