

## Product datasheet for **RC209239A1V**

### Human EPM2AIP1 (NM\_014805) AAV Particle

#### Product data:

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | AAV Particles                           |
| Product Name:             | Human EPM2AIP1 (NM_014805) AAV Particle |
| Tag:                      | Myc-DDK                                 |
| Symbol:                   | EPM2AIP1                                |
| Mammalian Cell Selection: | None                                    |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)              |



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## ORF Nucleotide Sequence:

>RC209239 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGTGGATGACGCCAAAAGAAGCAAGATGGAAGTCGACGAGGCTCTAGTTTTCCGGCCCGAGTGGACCC  
 AGCGTTATTTGGTGGTGGAGCCTCCGGAGGGCGATGGGGCCCTGTGCCTGGTCTGTGCGCGCCTCATCGT  
 AGCTACCCGCGAACGCGACGTCAGGCGCCACTACGAGGCTGAGCACGAATACTACGAGCGGTATGTGGCG  
 GACGGCGAGCGCGCGGCCCTGGTGGAGCGTCTGCGTCAGGGCGACTTGCCCGTGGCCTCCTTCACTCCTG  
 AAGAGAGAGCTGCTCGTGCAGGCCTCGGGCTCTGCCGCTCTTGGCCTTGAAGGGTCGCGGCTGGGGTGA  
 GGGGACTTTGTATACCACTGCATGGAGGTGTTGCTGAGAGAGGTACTGCCCAGCATGTAAGCGTCCTG  
 CAAGGCGTTGACTTATCTCCAGATATCACAAGGCAGAGGATCCTGAGCATTGACAGGAATCTACGCAACC  
 AGCTTTTTAACCAGAGCCAGGGACTTTAAAGCCTATTCTCTTGCCTTGACGACCAGGCTTTTGTGCCTA  
 TGAGAACTACCTCCTGGTCTTTATCCGGGTGTAGGCCCTGAGTTGGAGGTGCAAGAAGATCTTCTGACC  
 ATAATCAACCTGACTCATATTCAGTGTGGTGGCTCATGTGCGCAATCCTAGAGTCCTGCAGACAG  
 CAGGGCTTAGCTTGACAGAGAATGGTTGGACTGACCACGACCCATACTTTGAGGATGATTGGTGAGAACTC  
 AGGACTCGTCTCATACATGAGAGAAAAGGCCGTAAGCCCCAACTGTTGGAATGTCATTTCATTATTCAGGA  
 TTTCTTCACTTGAAGCTGTTGAGCTCCTATGATGTAGATGTTAATCAGATCATAAATACCATATCCGAAT  
 GGATAGTTTGGATTAAGACCAGAGGCGTTAGGCGACCTGAATTCAGACTTTACTAACGGAATCTGAATC  
 AGAGCATGGTGAAGGGTTAATGGACGATGTCTGAACAATTGGCTTAGGAGAGGGAAAACCTTTAAACTA  
 ATATCTCTCTAAGAAAAGAAATGGAAGCGTTCTTGGTTTCAGTAGGGGCAACAACAGTCCACTTCTCAG  
 ACAACAATGGCTTTGTGACTTTGGCTTCTTGGTGACATTATGGAACACCTTCGAGAAGTCAAGCTGAAGA  
 ATTACGAGTTAGTAAAGTCTTTGCTGCTGCTGCTTTGACCATATTTGACTTTTGAAGTTAAGCTGAAT  
 TTATTTCAAAGACATATTGAGGAAAAAATCTAACAGACTTTCTGCCCTCAGAGAAGTTGTTGATGAGC  
 TAAACAGCAAAATAAGGAAGATGAAAAATATTTGATCCTGATAGGTATCAAATGGTGATCTGTCGTCT  
 CAAAAAGAATTTGAGAGACATTTTAAGGACCTCAGGTTCAATAAAAAGGACTTAGAACTTTTTTCAAAT  
 CCATTTAACTTTAACTGAATATGCACCTATTTCACTGAGGGTGGAGCTAACAAAACCTCAGGCAAAACA  
 CTAATCTTTGGAATGAATACAGAATCAAAGACTTGGGGCAGTTTTATGCTGGATTGTCTGCTGAATCCTA  
 CCCAATTATCAAAGGGTTGCCTGTAAGGTGGCATCCTGTTTGATAGTAACCAAATCTGTGAAAAGGCT  
 TTTTCATATTTGACTCGAAACCAACACACTTTGAGTCAGCCATTAACAGATGAGCATCTCCAAGCCCTGT  
 TTCGGGTTGCCCAACTGAAATGGAGCCCGGTTGGGATGACCTTGTGAGAGAAAGAAATGAATCTAATCC  
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC209239 protein sequence  
 Red=Cloning site Green=Tags(s)

MWMTPKRSKMEVDEALVFRPEWTQRYLVPEPEGDGALCLVCRRLIVATRERDVRRHYEAEHEYERYVA  
 DGERAALVERLRQGDLPVASFTPEERAARAGLGLCRLLALKGRGWEGDFVYQCMEVLLREVLPEHVSVL  
 QGVDLSPDITRQILSIDRNLRLNQLFNRARDFKAYSLALDDQAFVAYENYLLVIRGVGPELEVQEDLLT  
 IINLTHHFSVGALMSAILESLQTAGLSLQRMVGLTTHTLRMIGENSGLVSYMREKAVSPNCWNVIHYS  
 FLHLELLSSYVDVNQIINTISEWIVL IKTRGVRRPEFQTLT TESESEHGERVNGRCLNNWLRRGKTLKL  
 IFSLRKEMEAFLVSVGATTVHFSDKQWLCDFGLVDIMEHLRELSEELRVSKVFAAAFDHICTFEVKLN  
 LFQRHIEEKNLTDFPALREVVDLQKNKEDEKIFDPDRYQMVICRLQKEFERHFKDLRFIKKDLELFSN  
 PFNFKPEYAPISVRVELTKLQANTNLWNEYRIKDLGQFYAGLSAESYPIIKGVACKVASLFDNSNQICEKA  
 FSYLTRNQHTLSQPLTDEHLQALFRVATTEMPEGWDDLVRERNESNP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Species:      | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Serotype:     | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ACCN:         | NM_014805                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ORF Size:     | 1821 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Buffer:       | PBS with 0.001% Pluronic F6396                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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><a href="#">NM_014805.2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:  | 7439 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:   | 1824 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 9852                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt ID:   | <u><a href="#">Q7L775</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 3p22.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MW:           | 70.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |