

## Product datasheet for **RC202596A1V**

### Human EPB41L1 (NM\_177996) AAV Particle

#### Product data:

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | AAV Particles                          |
| Product Name:             | Human EPB41L1 (NM_177996) AAV Particle |
| Tag:                      | Myc-DDK                                |
| Symbol:                   | EPB41L1                                |
| Synonyms:                 | 4.1N; MRD11                            |
| Mammalian Cell Selection: | None                                   |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)             |



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**ORF Nucleotide  
Sequence:**

&gt;RC202596 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**C

ATGGAGGAGAAGGACTACAGTGAGGCCGATGGCCTTTTCGAGAGGACCACGCCAGCAAGGCCAGAAAT  
 CGCCCCAGAAGATTGCCAAGAAATACAAGAGTGCCATCTGCCGGGTCACTCTGCTTGATGCCTCGGAGTA  
 TGAGTGTGAGGTGGAGAAACATGGCCGGGGCCAGGTGCTGTTGACCTGGTCTGTGAACACCTCAACCTC  
 CTAGAGAAGGACTACTTCGGCCTGACCTTCTGTGATGCTGACAGCCAGAAGAACTGGCTGGACCCCTCCA  
 AGGAGATCAAGAAGCAGATCCGGAGTAGCCCTGGAATTTTGCCTTCACAGTCAAGTTCTACCCGCTGA  
 TCCTGCCCAGCTGACAGAAGACATCACAAGATACTACCTGTGCCTGCAGCTGCGGGCAGACATCATCAG  
 GGCCGGCTGCCATGCTCCTTTGTACGCATGCCCTACTGGGCTCTACGCTGTGCAGGCTGAGCTGGGTG  
 ACTATGATGCTGAGGAGCATGTGGGCAACTATGTCAGCGAGCTCCGCTTCGCCCTAACCAGACCCGGGA  
 GCTGGAGGAGAGGATCATGGAGCTGCATAAGACATATAGGGGGATGACCCGGGAGAAGCAGAAATCCAC  
 TTCTTAGAGAATGCCAAGAAGCTTTCATGTACGGAGTAGACCTGCACCATGCCAAGGACTCTGAGGGCA  
 TCGACATCATGTTAGGCGTTTGTGCCAATGGCCTGCTCATCTACCGGGACCGGCTGAGAATCAACCGCTT  
 TGCCTGGCCCAAGATCCTCAAGATCTCTACAAGAGGAGTAACCTCTATATCAAGATCCGGCCTGGGGAG  
 TATGAGCAATTTGAGAGCACAATTGGCTTTAAGCTCCCAAAACCACCGGTGAGCCAAGAGACTGTGGAAGG  
 TCTGCATCGAGCATCATACATTTCTCCGGCTGGTGTCCCTGAGCCCCACCCAAGGGCTTCTGGTGAT  
 GGGCTCCAAGTTCCGGTACAGTGGGAGGACCCAGGCACAGACTCGCCAGGCCAGCGCCCTCATTGACCGG  
 CCTGCACCTTTCTTTGAGCGTTCTTCCAGCAACCGGTACACCATGTCCCGCAGCCTTGATGGAGCAGAGT  
 TCTCCCGCCAGCCTCGGTGAGCGAGAACCATGATGCAGGGCCTGACGGTGACAAGCGGGATGAGGATGG  
 CGAGTCTGGGGGGCAACGGTCAGAGGCTGAGGAGGGAGAGGTGAGGACTCCAACCAAGATCAAGGAGCTA  
 AAGTTCTTAGACAAGCCAGAAGATGTCTTGCTGAAGCACCAGGCCAGCATCAATGAGCTCAAAAGGACCC  
 TGAAGGAGCCCAACAGCAAACTCATCCACCGGGATCGAGACTGGGAACGGGAGCGCAGGCTGCCCTCCTC  
 CCCCCTCCCCCTCCCCAAGGGCACCCCTGAGAAAGCCAATGAGAGAGCAGGGCTGAGGGAGGGCTCC  
 GAGGAGAAAGTCAAACACCACGTCCCCGGGCCCCAGAGAGTGACACAGGCGATGAGGACCAGGACCAGG  
 AGAGGGACACGGTGTTCTGAAGGACAACACCTGGCCATTGAGCGCAAGTGCTCCAGCATCACGGTCAG  
 CTCTACGTCTAGCCTGGAGGCTGAGGTGACTTACGGTCATTGGTGACTACCATGGCAGCGCTTCGAA  
 GACTTCTCCCGCAGCCTGCCTGAGCTCGACCGGACAAAAGCGACTCGGACACTGAGGGCCTGCTGTTCT  
 CCCGGGATCTCAACAAGGGGGCCCCAGCCAGGATGATGAGTCTGGGGGATTGAGGACAGCCCGGATCG  
 AGGGGCTGCTCCACCCGGATATGCCCGATTTGAGCCCGTGAAAACAGAAACCATGACTGTGACGAGT  
 CTGGCCATTAGAAAGAAGATTGAGCCGGAGGCCGTAATGCAGACCAGAGTCTCCGCTATGGATAACACC  
 AGGAGAACAGTCTCAAGTCCGGGAAGGGGGCAGCTGCCATGATCCAGGCCACAGACGGTGGCCACGGA  
 AATCCGTTCTCTTTCTCCGATCATCGGGAAAGATGTCTCACCAGCACCTACGGCGCCACTGCGGAAACC  
 CTCTAACCTCCACCACCACCATGTCAACAAAAGTGTGAAAGGAGGGTTTTCTGAGACAAGGATCGAGA  
 AGCGAATCATCATTACTGGGGATGAAGATGTCGATCAAGACCAGGCCCTGGCTTTGGCCATCAAGGAGGC  
 CAAACTGCAGCATCCTGATATGCTGGTAACCAAGCTGTCGTATACAGAGAAACAGACCCATCCCCAGAG  
 GAGAGGGACAAGAAGCCACAGGAATCC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC202596 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MEEKDYSEADGLSERTTPSKAQKSPQKIAKKYKSAICRVTLDDASEYECEVEKHGRGQVLFDLVCEHLNL<br/>LEKDYFGLTFCDADSQKNWLDPSKEIKKQIRSSPWNFAFTVKFYPPDPAQLTEDITRYYLCLQLRADIIT<br/>GRLPCSFVTHALLGSYAVQAELEGDYDAEEHVGNVYSELRFAPNQTRELEERIMELHKTYRGMTPEAEIH<br/>FLENAKKLSMYGVDLHHAKDSEGIDIMLGVCANGLLIYRDRLRINRFAWPKILKISYKRSNFYIKIRPGE<br/>YEQFESTIGFKLPNHRSAKRLWKVCIEHHTFFRLVSPEPPPKGFLVMGSKFRYSGRQAQTRQASALIDR<br/>PAPFFERSSSKRYTMSRSLDGAEFSRPASVSENHDAGPDGDKRDEGSGGQRSEAEEGEVRTPTKIKEL<br/>KFLDKPEDVLLKHQASINELKRTLKEPNKSLIHRDRDWERERRLPSSPASPPKGTPEKANERAGLREGS<br/>EEKVKPPRPRAPESDTGDEDQDQERDVFVKDNHLAIERKCSSITVSSTSSLEAEVDFTVIGDYHGSAFE<br/>DFSRSLPELDRDKSDSDTEGLLFSRDLNKGAPSQDDESGGIEDSPDRGACSTPDMQFEPVKTTETMTVSS<br/>LAIRKKIEPEAVLQTRVSAMDNTQENSLKSGKGAAMIPGPQTVAEIRSLSPIIGKDVLTSTYGATAET<br/>LSTSTTHVTKTVKGGFSETRIEKRIIITGDEDVDQDQALALAIKEAKLQHPDMLVTKAVVYRETDPSP<br/>ERDKKPQES</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ACCN:             | NM_177996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORF Size:         | 2337 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Buffer:           | PBS with 0.001% Pluronic F5356                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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:           | <a href="#">NM_177996.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RefSeq Size:      | 5967 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:       | 2340 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:         | 2036                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt ID:       | <a href="#">Q9H4G0</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:     | 20q11.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MW:               | 87.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |