

## Product datasheet for **RC223329A1V**

### Human NABC1 (BCAS1) (NM\_003657) AAV Particle

#### Product data:

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | AAV Particles                                |
| Product Name:             | Human NABC1 (BCAS1) (NM_003657) AAV Particle |
| Tag:                      | Myc-DDK                                      |
| Symbol:                   | BCAS1                                        |
| Synonyms:                 | AIBC1; NABC1; PMES-2                         |
| Mammalian Cell Selection: | None                                         |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                   |



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**ORF Nucleotide  
Sequence:**

&gt;RC223329 ORF sequence

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

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

 ATGGGTAAACCAATGAGTGTTCCTCCCAAGAGTTGAAGACCAAGAGAATGAACCAGAAGCAGAGACTTACC  
AGGACAACGCGTCTGCTCTGAACGGGGTTCAGTGGTGGTGTGACCCACACAGTTCAGCACTTAGAGGA  
AGTCGACTTGGGAATAAGTGTCAAGACGGATAATGTGGCCACTTCTTCCCCGAGACAACGGAGATAAGT  
GCTGTTGCGGATGCCAACGAAAGAATCTTGGGAAAGAGGCCAAACCCGAGGCACAGCTGCTAAATCTC  
GTTTTTCTTGATGCTCTCTCGCCTGTACCAGGACGTACCGGAGACCAAGCCGAGATTATCCCTTGG  
ATCAGTGAAGCTTGATGTCAGCTCCAATAAAGCTCCAGCGAACAAAGACCCAAGTGAGAGCTGGACACTT  
CCGGTGGCAGCTGGACCGGGGAGGACACAGATAAAACCCAGGGCAGCCCCGGCCCAAGACAAGGTCC  
TCTCTGCCGCCAGGGATCCCACGCTTCTCCACCTGAGACAGGGGAGCAGGAGGAGAAGCTCCCTCCAA  
GCCCAAGGACTCCAGCTTTTTTGACAAATCTTCAAGCTGGACAAGGGACAGGAAAAGGTGCCAGGTGAC  
AGCCAACAGGAAGCAAGAGGGCAGAGCATCAAGACAAGGTGGATGAGGTTCTCGCTTATCAGGGCAGT  
CCGATGATGTCCCTGCAGGAAGGACATAGTTGACGGCAAGGAAAAAGAGGACAAGAATTGGAAGTGC  
GGATTGCTCTGTCCCTGGGGACCCAGAAGGACTGGAGACTGCAAAGGACGATTCCAGGCAGCAGCTATA  
GCAGAGAATAATAATTCTATCATGAGTTTCTTTAAACTCTGGTTTACCTAACAAAGCTGAAACAAAAA  
AGGACCCAGAAGACACGGGTGCTGAAAAGTCAACCACTTCAGCTGACCTTAAGTCAGACAAAGCCAA  
CTTTACATCCCAGGAGACCAAGGGGCTGGCAAGAATTCCAAAGGATGCAACCCATCGGGGCACACACAG  
TCCGTGACAACCCCTGAACCTGCGAAGGAAGGCACCAAGGAGAAATCAGGACCCACCTCTCTGCCTCTGG  
GCAAACTGTTTTGGAAAAAGTCAGTTAAAGAGGACTCAGTCCCACAGGTGCGGAGGAGAATGTGGTGTG  
TGAGTCAACAGTAGAGATTATAAAGTCCAAGGAAGTAGAATCAGCCTTACAAACAGTGGACCTCAACGAA  
GGAGATGCTGCACCTGAACCCACAGAAGCGAACTCAAAAGAGAAGAAAGCAACCAAGAACCTCTCTGA  
TGGCGTTTCTCAGACAAATGTCAGTGAAGGGGATGGAGGGATCACCACTCAGAAGAAATAATGGGAA  
AGACTCCAGCTGCCAAACATCAGACTCCACAGAAAAGACTATCACACGCCAGAGCCTGAACCAACAGGA  
GCACCACAGAAGGTAAGAGGGCTCCTCGAAGGACAAGAAGTCAAGCAGCCGAGATGAACAAGCAGAAGA  
GCAACAAGCAGGAAGCCAAAGAACAGCCAGTGCACAGAGCAGGCCACGGTGGACAGAACTACTGCA  
GAATGGGGACAAGCTCCAAAAGAGACCTGAGAAGCGGCAGCAGTCCCTTGGGGGCTTCTTTAAAGCCTG  
GGACCAAGCGGATGTTGGATGCTCAAGTGCAACAGACCCAGTATCCATCGGACCAGTTGGCAATCCA  
AG

 AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

&gt;RC223329 protein sequence

Red=Cloning site Green=Tags(s)

 MGNQMSVPQRVEDQENEPEAETYQDNASALNGVPVVVSTHTVQHLEEVDLGISVKTDNVATSSPETTEIS  
AVADANGKNLGKEAKPEAPAAKSRFFLMLSRPVPGRDQQAADSSLSVKLDVSSNKAPANKDPSESWT  
PVAAGPGQDTPGHAPAQDKVLSAARDPTLLPPETGGAGGEAPSKPKDSSFFDKFKLDKGQEKVPGD  
SQQEAKRAEHQDKVDEVPGLSGQSDVPAGKDIVDGEKEGQELGTADCSVPGDPEGLETAKDDSQAAAI  
AENNNSIMSFFKTLVSPNKAETKKDPEDTGAESPTTSADLKSDKANFTSQETQGAGKNSKGNPSGHTQ  
SVTTPEPAKEGTKEKSGPTSLPLGKLFWKSVKEDSVPTGAENNVCEPVEIISKEVESALQTVDLNE  
GDAAPEPTEAKLKREESKPRTSMAFLRQMSVKGDDGIHSEEINGKSSCQTSDESTKITPPEPEPTG  
APQKGKEGSSKDKKSAAEMNKQKSNKQEAKEPAQCTEQATVDNTSLQNGDKLQKRPEKRQQLGGFFKGL  
GPKRMLDAQVQTDVPSIGPVGKSK

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Serotype:</b>     | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>         | NM_003657                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORF Size:</b>     | 1752 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Buffer:</b>       | PBS with 0.001% Pluronic F8641                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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_003657.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>  | 3475 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1755 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 8537                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>   | <u><a href="#">O75363</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 20q13.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>           | 61.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |