

## Product datasheet for **RC219229A1V**

### Human BCAT1 (NM\_005504) AAV Particle

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                               |
| Product Name:             | Human BCAT1 (NM_005504) AAV Particle                                        |
| Tag:                      | Myc-DDK                                                                     |
| Symbol:                   | BCAT1                                                                       |
| Synonyms:                 | BCATC; BCT1; ECA39; MECA39; PNAS121; PP18                                   |
| Mammalian Cell Selection: | None                                                                        |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                  |
| ORF Nucleotide Sequence:  | >RC219229 representing NM_005504<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAAGGATTGCAGTAACGGATGCTCCGCAGAGTGTACCGGAGAAGGAGGATCAAAAGAGGTGGTGGGA  
CTTTAAAGGCTAAAGACCTAATAGTCACACCAGCTACCATTTTAAAGGAAAAACCAGACCCCAATAATCT  
GGTTTTTGAAGTGTGTTACGGATCATATGCTGACGGTGGAGTGGTCTCAGAGTTTGGATGGGAGAAA  
CCTCATATCAAGCCTCTTCAGAACCTGTATTGCACCTGGCTCATCAGCTTTGCACTATGCAGTGGAAT  
TATTTGAAGGATTGAAGGCATTTGAGGAGTAGATAATAAAATTCGACTGTTTCAGCCAAACCTCAACAT  
GGATAGAATGTATCGCTCTGCTGTGAGGGCAACTCTGCCGGTATTTGACAAAGAAGAGCTCTTAGAGTGT  
ATTCAACAGCTTGTGAAATTGGATCAAGAATGGGTCCCATATTCAACATCTGCTAGTCTGTATATTCGTC  
CTACATTCATTGGAAGTGAAGCTTCTCTTGGAGTCAAGAAGCCTACCAAGCCCTGCTCTTTGACTCTT  
GAGCCAGTGGGACCTTATTTTTCAAGTGAACCTTTAATCCAGTGTCCCTGTGGGCAATCCCAAGTAT  
GTAAGAGCCTGGAAAGGTGGAAGTGGGACTGCAAGATGGGAGGGAATTACGGCTCATCTCTTTTGCCC  
AATGTGAAGCAGTAGATAATGGGTGTCAGCAGGTCTGTGGCTCTATGGAGAGGACCATCAGATCACTGA  
AGTGGGAAGTATGAATCTTTTCTTTACTGGATAAATGAAGATGGAGAAGAAGAACTGGCAACTCCTCCA  
CTAGATGGCATCATTCTCCAGGAGTGACAAGCGGTGATTCTGGACCTGGCACATCAGTGGGGTGAAT  
TTAAGGTGTGAGAGATACCTACCATGGATGACTTGACAACAGCCCTGGAGGGGAACAGAGTGAGAGA  
GATGTTTGCTCTGGTACAGCCTGTGTTGTTTGGCCAGTTTCTGATATACTGTACAAAGCGGAGACAATA  
CACATTCCAACTATGGAGAATGGTCCTAAGCTGGCAAGCCGCATCTTGAGCAAATTAAGTATATCCAGT  
ATGGAAGAGAAGAGAGCGACTGGACAATTGTGCTATCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC219229 representing NM_005504</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MKDCSNGCSAECTGEGGSKEVVGTFKAKDLIVTPATILKEKPDNNLVFGTVFTDHMLTVEWSSEFGWEK<br/>PHIKPLQNL SLHPGSSALHYAVELFEGLKAFRGVDNKIRLFQPNLNMDRMYRSAVRATLPVFDKEELLEC<br/>IQQLVKLDQEWVPYSTASLYIRPTFIGTEPSLGVKKPTKALLFVLLSPVGPYFSSGTFNPVSLWANPKY<br/>VRAWKGGTGDCKMGGNYGSSLFAQCEAVDNGCQQVLWLYGEDHQITEVGTMNLFYWINEDGEEELATPP<br/>LDGIILPGVTRRCILDLAHQWGEFKVSERYLTMDDLTTALEGNRVREMFSGGTACVVCPSDILYKGETI<br/>HIPTMENGPKLASRILSKLTDIQYGREESDWTIVLS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ACCN:             | NM_005504                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ORF Size:         | 1158 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:           | <a href="#">NM_005504.4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RefSeq Size:      | 8191 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RefSeq ORF:       | 1161 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Locus ID:         | 586                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| UniProt ID:       | <a href="#">P54687</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cytogenetics:     | 12p12.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MW:               | 42.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |