

## Product datasheet for **RC227513A1V**

### Human **BTN3A1 (NM\_001145008)** AAV Particle

#### Product data:

|                          |                                                                                |
|--------------------------|--------------------------------------------------------------------------------|
| Product Type:            | AAV Particles                                                                  |
| Tag:                     | Myc-DDK                                                                        |
| Symbol:                  | BTN3A1                                                                         |
| Synonyms:                | BT3.1; BTF5; BTN3.1; CD277                                                     |
| Mammalian Cell           | None                                                                           |
| Selection:               |                                                                                |
| Vector:                  | pAAV-AC-Myc-DDK (PS100089)                                                     |
| ORF Nucleotide Sequence: | >RC227513 representing NM_001145008<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGAAATGGCAAGTTTCTGGCCTTCCTTCTGCTCAACTTTCGTGTCTGCCTCCTTTTGCTTCAGCTGC  
TCATGCCTCACTCAGCTCAGTTTCTGTGCTTGGACCTCTGGGCCATCCTGGCCATGGTGGTGAAGA  
CGCTGATCTGCCCTGTACCTGTTCCCGACCATGAGTGCAGAGACCATGGAGCTGAAGTGGGTGAGTTCC  
AGCCTAAGGCAGGTGGTGAACGTGTATGCAGATGGAAGGAAGTGAAGACAGGCAGAGTGCACCGTATC  
GAGGGAGAAGTTCGATTCTGCGGGATGGCATCACTGCAGGGAAGGCTGCTCTCCGAATACACAACGTAC  
AGCCTCTGACAGTGAAGTACTTGTGTTATTTCCAAGATGGTGAAGTCTATGAAAAAGCCTGGTGGAG  
CTGAAGGTTGCAGACGGAGTGGGCCTGTATGCAGTAGCAGCATCTGTGATCATGAGAGGCAGCTCTGGGG  
AGGGTGTATCCTGTACCATCAGAAGTTCCTCCTCGGCCTGGAAAAGACAGCCAGCATTTCATCGCAGA  
CCCCCTCTTCAGGAGCGCCAGAGGTGGATCGCCGCCCTGGCAGGACCTGCCTGTCTGTGCTGCTT  
CTTGGGGAGCCGTTACTTCTGTGGCAACAGCAGGAGGAAAAAGACTCAGTTCAGAAAGAAAAAGA  
GAGAGCAAGAGTTGAGAGAAATGGCATGGAGCACAATGAAGCAAGAACAAGCACAAGAGTGAAGTCTCT  
GGAGGAACCTCAGATGGAGAAGTATCCAGTATGCATCTCGGGGAGAGAGACATTACGCCTATAATGAATGG  
AAAAAGGCCCTCTCAAGCCTGCGGATGTGATTCTGGATCCAAAAACAGCAACCCCATCCTCTGTTT  
CTGAGGACCAAGAGTGTGCAGCGTGCCAAGGAGCCCAAGGATCTGCCAGACAACCTGAGAGATTTAA  
TTGGCATTATTGTGTTCTCGGCTGTGAGAGCTTCATATCAGGGAGACATTACTGGGAGGTGGAGGTAGGG  
GACAGGAAAGAGTGGCATATAGGGGTGTGCAGTAAGAATGTGCAGAGAAAGGCTGGGTCAAATGACAC  
CTGAGAATGGATTCTGGACTATGGGCTGACTGATGGGAATAAGTATCGGACTCTAAGTGGCCAGAAC  
CAACCTGAACTTCTAAGCCCCCTAAGAAAGTGGGGTCTTCTGGACTATGAGACTGGAGATATCTCA  
TTCTACAATGCTGTGGATGGATCGCATATTCATACTTCTCGGACGTCTCCTTCTGAGGCTCTATATC  
CTGTTTTCAGAATTTTGACCTTGGAGCCCACGGCCCTGACTATTTGTCCAGCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC227513 representing NM_001145008</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MKMASFLAFLLLNFRVCLLLLQLLMPHSAQFSVLGPSGPILAMVGEDADLPCHLFPTMSAETMELKWVSS<br/> SLRQVVNVYADGKEVEDRQSAPYRGRTSILRDGITAGKAALRIHNVASDSGKYL CYFQDGDYFEKALVE<br/> LKVADGVGL YAVAASVIMRGSSGEGVSC TIRSSLLGLEKTASIS IADPFFRSAQRWIAALAGTLPVLLLL<br/> LGGAGYFLWQQQEEKKTQFRKKKREQELREMAWSTMKQEQSTRVKLLEELRWRSIQYASRGERHSAYNEW<br/> KKALFKPADVILDPKTANPILLVSEDQRSVQRAKEPQDL PDNPERFNWHYCVLGCESFISGRHYWEVEVG<br/> DRKEWHIGVCSKNVQRKGWVKMTPENGFTWMLTDGNKYRTLTEPRTNLKLPKPPKKVGVFLDYETGDIS<br/> FYNAVDGSHIHTFLDVSFSEALYPVFRILTLEPTALTICPA</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ACCN:</b>             | NM_001145008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ORF Size:</b>         | 1383 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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>           | <a href="#">NM_001145008.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq ORF:</b>       | 1386 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Locus ID:</b>         | 11119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>       | <a href="#">O00481</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cytogenetics:</b>     | 6p22.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MW:</b>               | 51.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |