

## Product datasheet for **RC208100A1V**

### Human B3GNT1 (B3GNT2) (NM\_006577) AAV Particle

#### Product data:

|                           |                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                                                              |
| Product Name:             | Human B3GNT1 (B3GNT2) (NM_006577) AAV Particle                                                             |
| Tag:                      | Myc-DDK                                                                                                    |
| Symbol:                   | B3GNT1                                                                                                     |
| Synonyms:                 | 3-Gn-T1; 3-Gn-T2; B3GN-T2; B3GNT; B3GNT-2; B3GNT1; beta-1; beta3Gn-T1; beta3Gn-T2; BETA3GNT; BGnT-2; BGNT2 |
| Mammalian Cell Selection: | None                                                                                                       |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                                                 |
| ORF Nucleotide Sequence:  | >RC208100 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s)                                          |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGTGGACGTCGAAGAATAAAGTTGTTGGGTATCCTGATGATGGCAAATGTCTTCATTTATTTTA  
TTATGGAAGTCTCCAAAAGCAGTAGCCAAGAAAAAATGGAAAAGGGGAAGTAATAATACCCAAAGAGAA  
GTTCTGGAAGATATCTACCCCTCCCGAGGCATACTGGAACCGAGAGCAAGAGAAGCTGAACCGGCAGTAC  
AACCCCATCCTGAGCATGCTGACCAACCAGACGGGGGAGGCGGGCAGGCTCTCCAATATAAGCCATCTGA  
ACTACTGCGAACCTGACCTGAGGGTCACGTCGGTGGTTACGGGTTTTAACAACTTGCCGGACAGATTTAA  
AGACTTTCTGCTGTATTTGAGATGCCGCAATTATCACTGCTTATAGATCAGCCGGATAAGTGTGCAAAG  
AAACCTTTCTTGTGCTGGCGATTAAGTCCCTCACTCCACATTTTGCCAGAAGGCAAGCAATCCGGAAT  
CCTGGGGCCAAGAAAGCAACGCAGGGAACCAACGGTGGTGCGAGTCTTCCTGCTGGGCCAGACACCCCC  
AGAGGACAACCACCCGACCTTTCAGATATGCTGAAATTTGAGAGTGAGAAGCACCAAGACATTCTTATG  
TGGAACACAGAGACACTTTCTCAACTTGCTCTGAAGGAAGTGCTGTTTCTCAGGTGGTAAGTACTT  
CCTGCCAGACACTGAGTTTGTCTTCAAGGGCGATGACGATGTTTTGTGAACACCCATCACATCCTGAA  
TTACTTGAATAGTTTATCCAAGACCAAGCCAAAGATCTTTCATAGGTGATGTGATCCACAATGCTGGA  
CCTCATCGGGATAAGAAGCTGAAGTACTACATCCAGAAGTTGTTTACTCTGGCCTCTACCCACCTATG  
CAGGGGGAGGGGGTTCCTCTACTCCGCCACCTGGCCCTGAGGCTGTACCATATCACTGACCAGGTCCA  
TCTCTACCCATTGATGACGTTTATACTGGAATGTGCCTCAGAACTCGGCCTGTTCCAGAGAAACAC  
AAAGGCTTCAGGACATTTGATATCGAGGAGAAAAACAAAATAACATCTGCTCCTATGTAGATCTGATGT  
TAGTACATAGTAGAAAACCTCAAGAGATGATTGATATTTGGTCTCAGTTGCAGAGTGCTCATTTAAATG  
C

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC208100 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSVGRRRRIKLLGILMMANVFIYFIMEVSKSSSQEKNGKGEV IIPKEKFWKISTPPEAYWNREQEKLNRQY<br/> NPILSMLTNQTGEAGRLSNISHLNYCEPDLRVTSVVTGFNNLPDRFKDFLLYLRRCRNYSLIDQPDKCAK<br/> KPFLLLAIKSLTPHFARRQAIRESWGQESNAGNQTVVRVFLLGQTPPEDNHPDLSMDLKFSEKHQDILM<br/> WNYRDTFFNLSLKEVLFLRWVSTSCPDETFVFKGDDDFVNTHHILNLYNSLSKTKAKDLFIGDVIHNAG<br/> PHRDKKLKYIPEVVYSGLYPPYAGGGFLYSGHLALRLYHITDQVHLYPIDDVYTGMCQLKGLVPEKH<br/> KGFRTFDIEEKNNKNNICSYVDLMLVHSRKPQEMIDIWSQLQSAHLKC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ACCN:             | NM_006577                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORF Size:         | 1191 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_006577.5</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RefSeq Size:      | 2788 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:       | 1194 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:         | 10678                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt ID:       | <a href="#">Q9NY97</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:     | 2p15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MW:               | 46 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |