

## Product datasheet for **RC223942A1V**

### Human **B3GALT6** (NM\_080605) AAV Particle

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                               |
| Product Name:             | Human B3GALT6 (NM_080605) AAV Particle                                      |
| Tag:                      | Myc-DDK                                                                     |
| Symbol:                   | B3GALT6                                                                     |
| Synonyms:                 | ALGAZ; beta3GalT6; EDSP2; EDSSPD2; SEMDJL1                                  |
| Mammalian Cell Selection: | None                                                                        |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                  |
| ORF Nucleotide Sequence:  | >RC223942 representing NM_080605<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAAGCTGCTGCGGCGGGCGTGGCGGCGGGCGGCGCTAGGCCTGGGCACGCTGGCGCTGTGCGGGG  
CGGCGCTGCTCTACCTGGCGCGCTGCGCGGCCGAGCCCGGGGACCCAGGGCGATGTGCGGCCGCGAGCCC  
GCCTCCCCCGCGCCCGCGCGCGCCGCCCTTCTGGCAGTGCTGGTGCCAGCGCGCCCGCGCCGCC  
GAGCGCCGACGCTGATCCGCAGCACGTGGCTTGCGCGGCGCGGGGCCCCGGGCGACGTGTGGCGCGCT  
TTGCCGTGGGACGCGCCGCCCTGGGCGCCGAGGAGCGGCGGCCCTGGAGCGGGAGCAGGCGCGGCACGG  
GGACCTGCTGCTGCTGCCGCGCTGCGCGACGCCCTACGAAAACCTCACGGCCAAGGTGCTGGCCATGCTG  
GCCTGGCTGGACGAGCACGTGGCCTTCGAGTTCGTGCTCAAGGCGGACGACGACTCCTTCGCGCGGCTGG  
ACGCGCTGCTGGCCGAGCTGCGCGCCCGCGAGCCCGCGCGCCGCGCCTCTACTGGGCTTCTTCTC  
GGGCGCGCGCCGCTCAAGCCGGGGGGCGCTGGCGGAGGCCGCTGGCAACTCTGCGACTACTACCTG  
CCCTACGCGCTGGGCGGCGGCTACGTGCTCTCGGCCGACCTGGTGCACTACCTGCGCCTCAGCCGCGACT  
ACCTGCGCGCCTGGCACAGCGAGGACGTGTCTTGGGCGCCTGGCTGGCGCCGGTGGACGTCCAGCGGGA  
GCACGACCCGCGCTTCGACACCGAATACCGGTCCCGCGCTGCAGCAACAGTACCTGGTGACGCACAAG  
CAGAGCCTGGAGGACATGCTGGAGAAGCACGCGACGCTGGCGCGGAGGGCCGCTGTGCAAGCGCGAGG  
TGCAGCTGCGCCTGTCTACGTGTACGACTGGTCCGCGCGCCCTCGCAGTGCTGCCAGAGAAGGGAGGG  
CATCCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC223942 representing NM_080605</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MKLLRRAWRRRAALGLGTLALCGAALLYLARCAAEPGDPRAMSGRSPPPAPARAAAFVLVASAPRAA<br/> ERRSVIRSTWLARRGAPGDVWARFAVGTAGLGAEERRALEREQARHGDLALLPALRDAYENLTAKVLAML<br/> AWLDEHVAFEFVLKADDDSFARLDALLAELRAREPARRRRLYWGFFSGRGRVKPGGRWREAAWQLCDYYL<br/> PYALGGGYVLSADLVHYLRRLSRDYLRWHSSEVSLGAWLAPVDVQREHDPFRDTEYRSRGCSNQYLVTHK<br/> QSLDMLEKHATLAREGRLCKREVQLRLSYVYDWSAPPSQCCQRREGIP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ACCN:</b>             | NM_080605                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ORF Size:</b>         | 987 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>           | <u>NM_080605.3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>      | 2793 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq ORF:</b>       | 990 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Locus ID:</b>         | 126792                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID:</b>       | <u>Q96L58</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Cytogenetics:</b>     | 1p36.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MW:</b>               | 37.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |