

## Product datasheet for **RC222325A1V**

### Human CBY2 (NM\_152719) AAV Particle

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                               |
| Product Name:             | Human CBY2 (NM_152719) AAV Particle                                         |
| Tag:                      | Myc-DDK                                                                     |
| Symbol:                   | CBY2                                                                        |
| Synonyms:                 | NURIT; SPERT                                                                |
| Mammalian Cell Selection: | None                                                                        |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                  |
| ORF Nucleotide Sequence:  | >RC222325 representing NM_152719<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCAACCAGAGGGGTTGAAATGTAGGATGGAGGAATCCAATGCAGAGAGGGGCACAGCCGAACCCCTTCC  
CGAGGCTCCACAACTTGTACAGCACCCCTCGCTGCGCGCAGCAGGCCGCCCTGCCCGGCTGAGCCGCAG  
GATGGCGAGCCAGCACTCCTATCCAATGAACCGCTTCTCCTCCGTGCCTTTAGACCCCATGGAGCGCCCC  
ATGTCCAGGCCGACCTGGAGCTGGACTACAACCCGCCCGGGTGCAGCTCAGCGACGAGATGTTCTGTGT  
TCCAGGACGGGCGCTGGGTAATGAGAACTGCCGCTGCAGTCTCCCTACTTCTCCCATCCGCCTCCTT  
CCACCACAAGCTGCACCACAAGAGGCTGGCCAAGGAGTGCATGCTGCAGGAGGAGAACAAGTCTCTGCGG  
GAGGAGAACAAGGCCCTGCGCGAGGAGAACCGGATGCTCAGCAAGGAGAACAAGATCCTACAGGTCTTCT  
GGGAGGAGCACAAGGCCCTCGCTGGGCCGAGAGGAGAGCCGGGCCCTCGCCACTGCTGCACAAAGACAG  
CGCGTCCCTGGAGGTGGTGAAGAAGGACCACGTCGCCCTGCAGGTGCCCGTGGCAAGGAGGACAGCACC  
CTGCAGCTCCTCCGGAGGAGAATCGCGCGCTGCAGCAGCTGCTGGAGCAGAAACAGGCCTACTGGGCGC  
AGGCAGAGGACACGGCCGCCCTGCCGAGGAAAGCAAGCCGCCCTCACCCACGAGGAGCCCTGCAG  
CCCCGGGCTGCTGCAGGACCAGGGCTCCGGCTCTCCTCCGCTTCGAGGAGCCCAAAGGGCCTCCGGCC  
CGGCAGGAGGACTCCAAGGAGCTGCGCGCCCTGCGGAAGATGGTCAGCAACATGTCCGGGCCCTCCGGG  
AGGAGGAGGCCAAGGTGGGCCCGGGCTGCCGACGGTGCCAGCCCTGCAGCTGCTGAGAGAGATGAG  
GCAGGCCTGCAGGCCCTGCTCAAGGAGAACCGGCTCCTGCAGGAGGAGAACAGGACCCCTGCAGGTGCTA  
CGGGCAGAGCAGAGGGGCTTCCAGGAGGAGAACAAGGCCCTGTGGGAGAACAACAAGCTGAAGCTGCAGC  
AGAAGCTGGTCATTGACACCGTGACCGAGGTACCGCGCGCATGGAAATGCTCATCGAGGAGCTCTACGC  
CTTCATGCCGGCCAGGAGCCAGGACCCCAAGAAGCCTAGCAGGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC222325 representing NM_152719</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MQPEGLKCRMEESNAERGTAEPFRLHNLYSTPRCAQQAALPRLSRMASQHSYPLNRFSSVPLDPMERP<br/> MSQADLELDYNPPRVQLSDEMVFQDGRWVNENCRLQSPYFSPSASFHHKLHHKRLAKECMLQEENKSLR<br/> EENKALREENRMLSKENKILQVFWEEHKASLGREESRAPSPLLHKDSASLEVVKKDHVALQVPRGKEDST<br/> LQLLREENRALQQLLEQKQAYWAQAEATAAPAEESKPAPSPHEEPCSPGLLQDQGSGLSSRFEEPKGPPA<br/> RQEDSKELRALRKMVSNMSGSPSGEEAAKVGPLPDGCQPLQLLREMRQALQALLKENRLLQEENRTLQVL<br/> RAEHRGFQEENKALWENNKLLKQQLVIDTVTEVTARMEMLIEELYAFMPARSQDPKKPSRV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ACCN:             | NM_152719                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ORF Size:         | 1236 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:           | <u>NM_152719.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RefSeq Size:      | 1613 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq ORF:       | 1347 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Locus ID:         | 220082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UniProt ID:       | <u>Q8NA61</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cytogenetics:     | 13q14.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| MW:               | 51.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |