

## Product datasheet for **RC218202A1V**

### Human **CYB561 (NM\_001017917) AAV Particle**

#### Product data:

**Product Type:** AAV Particles  
**Tag:** Myc-DDK  
**Symbol:** CYB561  
**Synonyms:** CYB561A1; FRRS2; ORTHYP2  
**Mammalian Cell** None  
**Selection:**  
**Vector:** pAAV-AC-Myc-DDK (PS100089)

**ORF Nucleotide Sequence:** >RC218202 representing NM\_001017917  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGGAGGGCGGGGCGCGGCAGCCACCCCCACGCACTGCCTTACTACGTGGCCTTCTCCAGCTGCTGG  
GCCTGACCTTGGTGGCCATGACCGGCGCTGGCTCGGGCTGTACCGAGGCGCATTGCCTGGGAGAGCGA  
CCTGCAGTTCAACGCGCACCCCTCTGCATGGTCATAGGCCTGATCTTCTGCAGGAAATGCCCTGCTG  
GTTTACCGTGTCTTCAGGAACGAAGCTAAACGCACCAAGGTCCTGCACGGGCTGCTGCACATCTTTG  
CGCTCGTCATCGCCCTGGTTGGCTTGGTGGCGGTGTTGCACTACCACAGGAAGAAGGGCTACGCTGACCT  
GTACAGCCTACACAGCTGGTGGGGATCCTTGTCTTTGTCTGTACTTTGTGCAGTGGCTGGTGGGCTTC  
AGCTTCTTCTGTTCCTCGGAGCTTCATTCTCCCTGCGGAGCCGCTACCGCCACAGCACATCTTCTTTG  
GTGCTACCATCTTCTCTTTCCGTGGGCACCGCCCTGCTGGGCCTGAAGGAGGCACTGCTGTTCAACCT  
CGGGGGCAAGTATAGCGCATTTGAGCCGAGGGTGTCTGGCCAACGTGCTGGGCTGCTGCTGGCCTGC  
TTCGGTGGGCGGTGCTCTACATCTTGACCCGGGCCGACTGGAAGCGGCCTTCCAGGCGGAAGAGCAGG  
CCCTCTCCATGGACTTCAAGACGCTGACGGAGGAGATAGCCCCGGCTCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC218202 representing NM\_001017917  
Red=Cloning site Green=Tags(s)

MEGGAAAAPTALPYVAFSQLGLTLVMTGAWLGLYRGGIAWESDLQFNAHPLCMVIGLIFLQGNALL  
VYRVFRNEAKRTTKVLHGLLHIFALVIALVGLVAVFDYHRKKGYADLYSLHSWCGILVFVLYFVQWLVG  
SFFLFPGASFSLRSRYPQHIFFGATIFLLSVGTALLGLKEALLFNLGGKYSAFEPEGVLANVLGLLAC  
FGGAVLYILTRADWKRPSQAEQALSMDFKLTTEGDSFGSQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV



|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species:</b>      | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Serotype:</b>     | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>         | NM_001017917                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ORF Size:</b>     | 753 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_001017917.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>RefSeq Size:</b>  | 3006 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 756 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Locus ID:</b>     | 1534                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>   | <a href="#">P49447</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cytogenetics:</b> | 17q23.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>           | 27.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |