

## Product datasheet for **RC220174A1V**

### Human C18orf10 (TPGS2) (NM\_015476) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human C18orf10 (TPGS2) (NM_015476) AAV Particle                   |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | C18orf10                                                          |
| Synonyms:                 | C18orf10; HMFN0601; L17; PGs2                                     |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC220174 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGAGGAGGCATCGTCCCCGGGGCTGGGCTGCAGCAAGCCGCACCTGGAGAAGCTGACCCTGGGCA  
TCACGCGCATCCTAGAATCTTCCCCAGGTGTGACTGAAGTGACCATCATAGAAAAGCCTCCTGCTGAACG  
TCATATGATTTCTTCTGGGAACAAAAGAATAACTGTGTGATGCCTGAAGATGTGAAGAACTTTTACCTG  
ATGACCAATGGCTTCCACATGACATGGAGTGTGAAGCTGGATGAGCACATCATTCCACTGGGAAGCATGG  
CAATTAACAGCATCTCAAACTGACTCAGCTCACCCAGTCTTCCATGTATTCACTTCCTAATGCACCCAC  
TCTGGCAGACCTGGAGGACGATACACATGAAGCCAGTGATGATCAGCCAGAGAAGCCTCACTTTGACTCT  
CGCAGTGTGATATTTGAGCTGGATTCATGCAATGGCAGTGGGAAAGTTTGCCTTGTCTACAAAAGTGGGA  
AACCAGCATTAGCAGAAGACACTGAGATCTGGTTCCTGGACAGAGCGTTATACTGGCATTTTCTCACAGA  
CACCTTTACTGCCTATTACCGCCTGCTCATCCCCACCTGGGCCTGCCCCAGTGGCAATATGCCTTCACC  
AGCTATGGCATTAGCCACAGGCCAAGCAATGGTTCAGCATGTATAACCTATCACCTACAACACAAACC  
TGCTCACAGAAGAGACCGACTCCTTTGTGAATAAGCTAGATCCCAGCAAAGTGTTAAGAGCAAGAACA  
GATCGTAATCCCCAAAAGAAAGGGCCTGTGCAGCCTGCAGGTGGCCAGAAAGGGCCCTCAGGACCCCTCC  
GGTCCCTCCACTTCTCCACTTCTAAATCCTCCTCTGGCTCTGAAACCCACCCGGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC220174 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MEEEASSPGLGCSKPHLEKLTIGITRILESSPGVTEVTIEKPPAERHMISSWEQKNNCVMPEDEVKNFYLM<br/>           MTNGFHTWSVKLDEHIPLGSMAINSISKLTQLTQSSMYSLPNAPTLADLEDDTHEASDDQPEKPHFDS<br/>           RSVIFELDSCNGSGKVCLVYKSGKPALAEDTEIWFLDRALYWHFLTDTFTAYYRLLITHLGLPQWQYAFT<br/>           SYGISPQAKQWFSMYKPITYNTNLLTEETDSFVNKLDPSKVFKSKNKIVIPKKKGPVQPPAGGQKGPSPGPS<br/>           GPSTSSSTSKSSSGSGNPTRK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ACCN:</b>             | NM_015476                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ORF Size:</b>         | 900 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_015476.2, NP_056291.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>      | 4068 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>       | 903 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>         | 25941                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>       | <u>Q68CL5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>     | 18q12.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MW:</b>               | 33.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |