

## Product datasheet for RC218790A1V

### Human CT47A7 (NM\_001080140) AAV Particle

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                                  |
| Product Name:             | Human CT47A7 (NM_001080140) AAV Particle                                       |
| Tag:                      | Myc-DDK                                                                        |
| Symbol:                   | CT47A7                                                                         |
| Synonyms:                 | CT47.7                                                                         |
| Mammalian Cell Selection: | None                                                                           |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                     |
| ORF Nucleotide Sequence:  | >RC218790 representing NM_001080140<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTCTGCCACAGGGGACCGACACCCGACCCAAGGGGACCAGGAGGCCCGGTAAAGCCAGGAGGGAGCAC  
 AGGCCGAGGCGGCCGAGCTGGTAACAGGAGGGCGCGCACTCCGGCCCCGACAGCAGCGACGTGGTGCC  
 TGCGGCCGAGGTGGTTCGAGTCGCAGGGCCCGTGAAGGCCTCGGGGAGGAGGAGGTGAGCAGGCGGCA  
 GGCTTGCCCGCAGTCCCCGGGGCGGAGCGCCGAGGAGGACTCAGATATCGGGCCCGCAGCGAGGAAG  
 AGGAGGAGGAAGAGGGGAACGAGGCGGCCAACTTCGACTTGCGGTGGTCCCGCTCGCTACCCGGCGTC  
 GGGCATTCACTTCGTGCTCCTGGACATGGTCCACTCCCTTCTCCACCGCCTCTCTACAACGACCACATC  
 CTCATAGAGAACCGTCAACTCAGCCGCCTGATGGTGGGGCCACACGCTGCTGCGCGCAACCTCTGGGGCA  
 ACCTCCCCCGCTGCTGCTGCCCCAGAGGCTGGGTGCAGGGGCCGAGCCCGGGCGGGCAGGGCCTGGG  
 CCTGATCCAGGAGGCCGATCGGTCCCAGAGCCTGCAGTGCCAGCTGACCTGGCCGAGATGGCCAGGGAG  
 CCCGCGGAGGAGGCCGAGAGGAGAAGCTCTCAGAGGAGGCCACAGAGGAACGAGCGCAGAGGAACCGG  
 CCACAGAAGAACCGACCGCACAGGAGGCCACGGCCCCAGAGGAAGTCACTAAATCTCAGCCCGAAAAGTG  
 GGATGAAGAGGCCCAAGATGCTGCAGGCGAGGAAGAGAAACAAGAAAAAGAGAAGGATGCGGAAAAC  
 AAGGTGAAGAACTCCAAAGGGACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC218790 representing NM_001080140</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSATGDRHPTQGDQEA PVSQEGAQAE AAGAGNQEGGDSGPDSSDVVPAAEVVGVAGPVEGLGEEEGEQAA<br/>GLAAVPRGGS AEEDSDIGPATEEEEEEGNEAANFDLAVVARRYPASGIHFVLLDMVHSLHRLSHNDHI<br/>LIENRQLSRLMVGP HAAARNLWGNLP LLLPQRLGAGAAARAGEGLGLIQEAASVPEPAVPADLAEMARE<br/>PAEEAAEEKLSEEATEEPDAEEPATEEPTAQEATAPEEVTKSQPEKWDEEAQDAAGEEKEQEKEKDAEN<br/>KVKNKSGT</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>                     |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ACCN:             | NM_001080140                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ORF Size:         | 864 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_001080140.1, NP_001073609.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RefSeq Size:      | 1294 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:       | 867 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Locus ID:         | 653282                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt ID:       | <u>Q5JQC4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics:     | Xq24                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| MW:               | 29.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |