

## Product datasheet for **RC213007A1V**

### Human CPT1C (NM\_152359) AAV Particle

#### Product data:

|                           |                                            |
|---------------------------|--------------------------------------------|
| Product Type:             | AAV Particles                              |
| Product Name:             | Human CPT1C (NM_152359) AAV Particle       |
| Tag:                      | Myc-DDK                                    |
| Symbol:                   | CPT1C                                      |
| Synonyms:                 | CATL1; CPT1-B; CPT1P; CPTI-B; CPTIC; SPG73 |
| Mammalian Cell Selection: | None                                       |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                 |



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## ORF Nucleotide Sequence:

>RC213007 representing NM\_152359  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGAAGCGCACCAGGCCGTGGGCTTCCGACCCTCGCTGACCTCGGACGGGGCTGAAGTGGAAGTCA  
 GTGCCCCCTGTGCTGCAGGAGATCTACCTCTCTGGCCTGCCTCCTGAAAAGGCATCTCTCACGTTTCTG  
 GAATGACTTTCTCACCGGTGTGTTTCTGCCAGCCCCCTCAGTTGGCTTTTCTCTTTCAGTGCCATCCAG  
 CTTGCCTGGTTCTCCAGCTGGATCCTTCTTAGGACTGATGGAGAAGATCAAAGAGTTGCTGCCTGACT  
 GGGGTGGACAACACCACGGGCTCCGGGGGGTCTGGCAGCCGCGCTGTTTGCCTCGTGTTGTGGGGAGC  
 CCTGATCTTCACACTGCACGTGGCCCTGAGGCTGCTTCTGTCTACCACGGCTGGCTTCTTGAGCCCCAC  
 GGAGCCATGTCTCCCCACCAAGACCTGGCTGGCCCTGGTCCGCATCTTCTCTGGCCGCCACCCGATGC  
 TGTTTCAGTTACCAGCGCTCCCTGCCACGCCAGCCCGTGCCTCTGTGCAGGACACCGTGCCTCAAGTACCT  
 GGAGTCGGTCCGGCCATCCTCTCCGACGAGGACTTCGACTGGACCGCGTCTGGCGCAGGAATTCCTG  
 AGGCTGCAGGCGTCGCTGCTGCAGTGGTACCTGCGGCTCAAGTCTGGTGGGCGTCCAATTATGTCAAGT  
 ACTGGTGGGAGGAATTTGTGTACCTGCCTCCCGAAATCCGCTGATGGTGAACAGCAACTATTACATGAT  
 GGACTTCTGTATGTACACCCACGCTCTGCAGGCAGCTCGCTGGGAATGCCGTCCATGCCCTCCTC  
 CTGTACCGCCACCGCTGAACCGCCAGGAGATACCCCGACTTTGCTGATGGGAATGCGCCCTTATGCT  
 CTGCCCAGTACGAGAAGATCTTCAACACCACGCGGATTCCAGGGGTCCAAAAGACTACATCCGCCACCT  
 CCATGACAGCCAACACGTGGCTGTCTTCCACCGGGGCCGATTCTTCCGCATGGGACCCACTCCCGAAAC  
 AGCCTGCTTTCCCGAGAGCCCTGGAGCAGCAGTTTCAGAGAATCCTGGATGATCCCTCACCGGCTGCC  
 CCCACGAGGAACATCTGGCAGCTCTGACAGCTGCTCCAGGGGCACGTGGGCCAGGTGCGGACATCCCT  
 GAAGACCAAGCAGCGAGGCCCTGGAGCGGTGGAAGGGGCCGCTTTCTTTGTGTCAGTGGATGCTGAG  
 CCCGCGGGGCTACCAGGAGGACCCGCGCAGCTCGTTGGATGCCTACGCCATGCTCTGCTGGCCGGCC  
 GGGGCCATGATCGCTGGTTTGACAAATCCTTACCCTAATCGTCTTCTTAACGGGAAGCTGGGCTCAG  
 CGTGGAGCACTCCTGGGCGACTGCCCCATCTCAGGACACATGTGGAGTTCACTCTGGCTACAGAATGC  
 TTTGAGTGGGCTACTCAACAGACGGCACTGCAAGGGGCACCCGACCCACACTACCCAGCCCCAGC  
 GGCTGCAATGGGACCTTCCAGACCAGATCCACTCCTCCATCTCTAGCCCTGAGGGGAGCCAAGATCTT  
 GTCTGAAAATGTCGACTGCCATGTCGTTCCATTCTCCCTATTTGGCAAGAGCTTCATCCGACGCTGCCAC  
 CTCTCTTCAGACAGCTTCATCCAGATCGCTTGAACCTGGCCACTTCCGGGACAGGGGTCAATTCTGCC  
 TGACTTATGAGTCGGCCATGACTCGCTTATTCTGGAAGGCCGACGGAGACGGTGCCTGTCACGAG  
 GGAGGCCCTGCAACTTTGTGAGGGCCATGGAGGACAAAGAGAAGACGGACCCACAGTGCCTCGCCCTGTT  
 CGCGTGGCAGTGGACAAGCACCAGGCTCTGCTGAAGGCAGCCATGAGCGGGCAGGGAGTTGACCGCCACC  
 TGTTTGGCGCTGTACATCGTGTCCGATTCTCCACCTGCAGTCGCCCTTCTGACCCAGGTCCATTCCGA  
 GCAGTGGCAGCTGTCCACCAGCCAGATCCCTGTTGAGCAAAATGCATCTGTTTACGTCCACAATTACCCG  
 GACTATGTTTCTCAGGCGGTGGATTCCGGCCCTGCTGATGACCATGGTTATGGTGTCTTATATCTTCA  
 TGGGGGATGGCATGATCACCTTCCACATCTCCAGCAAAAAATCAAGCACAAAAACGGATTCCACAGGCT  
 GGGGCAGCACATTGAGGACGCACTGCTGGATGTGGCCTCCCTGTTCCAGGCGGGACAGCATTTTAAGCGC  
 CGGTTCCAGAGGGTCAGGGAAGGAGAACTCCAGGCACAGGTGTGGATTTCTCTCCGCCAGACTGGGCT  
 CCAAGGCTCAATGACATCCACCGACTTC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC213007 representing NM_152359</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAEAHQAVGFRPSLTSDGALEVELSAPVLQEIYLSGLRSWKRHLSRFWNDFTGVFPASPLSWLFLFSAIQ<br/>LAWFLQLDPSLGLMEKIKELLPDWGGQHHGLRGVLAALFASCLWGALIFTLHVALRLLLSYHGWLLEPH<br/>GAMSSPTKTWLALVRIFSGRHPMLFSYQSRSLPRQPVPSVQDTRVKYLESVRPILSDEDFDWTAVLAQEFL<br/>RLQASLLQWYLRKSWASNYVSDWEEFVYLRNPLMVNSNYMMDFLYVTPPTPLQAARAGNAVHALL<br/>LYRHRLNRQEIPPTLLMGMRLCSAQYEKIFNTTRIPGVQKDYIRHLHDSQHVAVFHRGRFFRMGTHSRN<br/>SLLSPRALEQQFQRILDDPSPACPHEEHLAALTAAPRGTTAQVRTSLKTQAAEALEAVEGAFFVSLDAE<br/>PAGLTREDPAASLDAYAHALLAGRGHWRWFDKSFITLIVFSNGKLGLSVEHSWADCPISGHMWEFTLATEC<br/>FQLGYSTDGHCKGHPDPTLPQPQRLQWDLPDQIHSSISLALRGAKILSENVDCVVPFSLFGKSFIRRH<br/>LSSDSFIQIALQLAHRDRGQFCLTYESAMTRLFLEGRTEVRSCTREACNFVRAMEDKEKTDQPCLALF<br/>RVAVDKHQALLKAAMSGQGVDRHLFALYIVSRFLHLQSPFLTQVHSEQWQLSTSQIPVQQMHLFDVHNYP<br/>DYVSSGGGFGPADDHGYGVSYIFMGDMITFHISKKSSSTKTDSHRLGQHIEDALLDVASLFAQGQHFKR<br/>RFRGSGKENSRRHRCGFLSRQTGASKASMTSTDF</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ACCN:             | NM_152359                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ORF Size:         | 2409 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Buffer:           | PBS with 0.001% Pluronic F6973                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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:           | <a href="#">NM_152359.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq Size:      | 2772 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RefSeq ORF:       | 2412 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Locus ID:         | 126129                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| UniProt ID:       | <a href="#">Q8TCG5</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Cytogenetics:     | 19q13.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| MW:               | 90.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |