

## Product datasheet for **RC217472A1V**

### Human CLACP (COL25A1) (NM\_198721) AAV Particle

#### Product data:

|                           |                                                |
|---------------------------|------------------------------------------------|
| Product Type:             | AAV Particles                                  |
| Product Name:             | Human CLACP (COL25A1) (NM_198721) AAV Particle |
| Tag:                      | Myc-DDK                                        |
| Symbol:                   | COL25A1                                        |
| Synonyms:                 | AMY; CFEOM5; CLAC; CLAC-P; CLACP               |
| Mammalian Cell Selection: | None                                           |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                     |



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## ORF Nucleotide Sequence:

>RC217472 representing NM\_198721  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGCTGCTGAAGAAGCACGCAGGAAAGGAGGGGGCCGGAGCCAGATCCGAGGACCCGACCCCTGCCG  
 AACAGCATTGTGCCCGACCATGCCCCGTGTGCCGTCTGGCGGCCCTCCTGTCAAGTGGTGGCCGTGGT  
 GTCTTGCTGTACCTGGGTGTGAAAACCAACGACCTCCAGGCGAGGATCGCCGCTCTCGAATCCGCCAAA  
 GGGGCCCTTCCATTCTGTGCTGCCTGATACCTGGATCACCTCAAGACTATGGTGCAAGAGAAAGTGG  
 AGCGACTTCTGGCTCAGAAATCCTATGAACATATGGCTAAAATAAGAATCGCAAGAGAAGCACCTTCAGA  
 ATGTAAGTCCCAGCAGGCCCTCCAGGAAACGAGGTAAGAGAGGCCGAAGAGGAGAATCTGGTCTCTCT  
 GGACAGCTGGTCTCAGGGCCCTCCTGGTCCAAAAGGCGATAAGGGAGAACAGGTGATCAGGGACCTA  
 GGATGGTGTTCCTAAAATCAATCATGGTTCCTCTCTGCTGATCAGCAGCTCATTAAACGCCGCTGAT  
 TAAGGGTGACCAAGGACAGGCAGGGCCCTCCAGGACCCCTGGCCCTCCAGGCCAAGAGGGCCACCTGGG  
 GACACAGGGAAGATGGCCCCGTGGAATGCCAGGAGTACCCGGTGAACAGGAAAGCCAGGAGAACAG  
 GCTTGATGGGTCTCTAGGGCCTCCGGGACAAAAGGGTTCTATTGGAGCACTGGAATTCAGGGATGAA  
 TGGGCAAAAGGGTGAGCCCGGGTTCCTGGAGCAGTAGGACAGAATGGAATACCAGGACCTAAGGGAGAA  
 CCTGGAGAACAAAGGTGAAAAGGGAGACGCTGGAGAGAACGGCCCAAGGGTGACACAGGCCAAAAGGGTG  
 ACCCTGGATCATCTGCTGCAGGAATTAAGGGAGAACCTGGGGAATCTGGTCTCCAGGGCAAAAGGGTGA  
 ACCAGGGCTTCTGGGCTTCTGGACTTCCGGGGATAAAGGGAGAACAGGTTTCATTGGTCTCAAGGA  
 GAACAGGCTTACCAGGTTTACCAGGAACAAAAGGTGAACGGGGGAAGCAGGGCCTCCTGGAAGAGGTG  
 AGCGAGGGGAACCTGGAGCCCCCGACCAAGGGGAAACAAGGTGAATCAGGAAGTACAGGCCCAAGGG  
 GTCAAAGGGGGATCGTGGAGAAAAAGGGGACTCTGGAGCTCAGGGACCAAGGGGTCCACCTGGTCAAAAA  
 GGGGATCAAGGAGCCACTGAGATCATAGACTACAACGGCAACCTCCACGAAGCCTTACAGAGGATTACCA  
 CCTTAAGTGTACGGGTCCCCCTGGACCTCCTGGACCTCAAGGACTACAAGGGCAAGGGAGAGCAGGG  
 ATCTCCAGGAATCCCAGGAATGGATGGAGAGCAGGGACTCAAAGGCTCAAAGGGAGACATGGGGACCCA  
 GGTATGACAGGTGAAAAGGAGGAATTGGACTTCTGGATTACCGGGAGCCAATGGAATGAAAGGAGAAA  
 AAGGAGATTCTGGAATGCCGGGTCCACAGGTCTTCTATCATAGGCCACCAGGCCACCAGGTCCCCA  
 TGGCCACCTGGCCCCATGGGACCTCATGGACTTCTGGACCAAGGGTACAGATGGTCTTATGGGACCC  
 CATGGCCCTGCAGGTCCCAAAGGAGAAAGAGGTGAAAAGGAGCTATGGGAGAGCCTGGACCAAGAGGGC  
 CCTATGGGCTGCCTGGGAAAGATGGAGAGCCTGGTCTTGATGGCTTCCCTGGTCCACGGGTGAGAAGGG  
 TGATCTAGGAGAAAAGGAGAAAAGGGATTCCGTGGCGTTAAGGGGGAAAAAGGGGAGCCAGGCCAGCCT  
 GGCCTGGATGGGTGGATGCCCTTGCCAATTGGGGCCAGATGGCTTACCCATGCCTGGCTGTTGGCAAA  
 AG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC217472 representing NM_198721</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MLLKKHAGKGGGREPRSEDPTPAEQHCARTMPPCAVLAALLSVVAVVSCLYLGVKTNDLQARIAALESAGAPSIHLLPDTLDHLKTMVQEKVERLLAQKSYEHMAKIRIAREAPSECNCAPAGPPGKRGRGRRGESGPPGQPGPQGGPKGDKGEQDQGPVMVFPKINHGFLSADQQLIKRRLIKGDQAGPPGPPGPPGPRGPPGDTGKDGPGRMPGVPGEPPGKPGEQGLMGPLGPPGQKGSIGAPGIPGMNGQKGEPLPGAVGQNGIPGPKGEPGEQGEKGDAGENGPKGDTGEKDPGSSAAGIKGEPGESGRPGQKGEPLPGLPGLPGIKGEPGFIGPQGEPLPGLPGTKGERGEAGPPGRGERGEPGAPGPKGKQGESGTRGPKGSKGDRGEKGDGSAQGPGRPPGQKGDQGATEIIDYNGNLHEALQRITTLTVTGP GPPGPQGLQGPKGEQGSPIPGMDGEQGLKSGKGMGDPGMTGEKGGIGLPGLPGANGMKGEKGDGMPGPQGPSIIIGPPGPPGPHGPPGPMGPHLPGPKGTDGPMGPHGAPGKGERGEKGAMGEPGPRGPYGLPGKDGEPLDGFPGPRGEKGDLEKGEKGFRGVKGEKGEPPGQGLDGLDAPCQLGPDGLPMPGCWQK*</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ACCN:             | NM_198721                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ORF Size:         | 1962 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Buffer:           | PBS with 0.001% Pluronic F7694                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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_198721.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RefSeq Size:      | 2607 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RefSeq ORF:       | 1965 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Locus ID:         | 84570                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| UniProt ID:       | <u>Q9BXS0</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cytogenetics:     | 4q25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MW:               | 64.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |