

## Product datasheet for **RC200062A1V**

### Human LMCD1 (NM\_014583) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human LMCD1 (NM_014583) AAV Particle                              |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | LMCD1                                                             |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC200062 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAAAGGTGGCTAAGGACCTCAACCCAGGAGTTAAAAAGATGTCCCTGGGCCAGCTGCAGTCAGCAA  
GAGGTGTGGCATGTTTGGGATGCAAGGGGACGTGTTCCGGCTTCGAGCCACATTCATGGAGGAAATATG  
CAAGTCTTGCAAATGCAGCCAAGAGGACCACTGCCTAACATCTGACCTAGAAGACGATCGGAAAATTGGC  
CGCTTGCTGATGGAATCCAAGTATTCCACCCTCACTGCTCGGGTGAAAGGCGGGGACGGCATCCGGATTT  
ACAAGAGGAACCGGATGATCATGACCAACCCTATTGCTACTGGGAAAGATCCCACTTTTGACACCATCAC  
CTACGAGTGGGCTCCCCCTGGAGTCACCCAGAACTGGGACTGCAGTACATGGAGCTCATCCCCAAGGAG  
AAGCAGCCAGTGACAGGCACAGAGGGTGCCCTTTACCGCCGCCAGCTCATGCACCAAGCTCCCATCT  
ATGACCAGGATCCCTCGCGCTGCCGTGGACTTTTGGAGAATGAGTTGAACTGATGGAAGAATTTGTCAA  
GCAATATAAGAGCGAGGCCCTCGGCGTGGGAGAAGTGGCCCTCCCGGGGACGGGTGGCTTGCCCAAGGAG  
GAGGGGAAGCAGCAGGAAAAGCCAGAGGGGGCAGAGACCACTGCTGCTACCAACAGGCAGTCTCAGTG  
ACCCGTCCAAAGAAGTGAATACGTCTGCGAGCTCTGCAAGGGAGCGGCCCTCCTGACAGCCCCGTGGT  
CTACTCGGACAGGGCAGGCTACAACAAGCAGTGGCACCCACCTGCTTTGTGTGTGCCAAGTGCTCCGAG  
CCGCTGGTGGACCTCATCTACTTCTGGAAGGATGGTGACCCCTGGTGCGGCCGCACTTACTGCGAGAGTC  
TGCGGCCCGGTGCTCCGGCTGCGATGAGATAATATTCGCTGAGGACTACCAAGCGTGTGGAAGATCTGGC  
CTGGCACCCGAAAGCACTTTGTCTGTGAGGGTTGTGAGCAGCTGCTGAGCGGCCGGGCGTACATCGTCACC  
AAGGTCAGCTTCTGTGCCCACTTGACGAAGTCCAAACGCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC200062 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAKVAKDLNPGVKMSLGQLQSARGVACLGCKGTCSGFEPHSWRKICKSCKCSQEDHCLTSDLEDDRKIG<br/> RLLMDSKYSTLTARVKGDDGIRIYKRNRMIMTNPIATGKDPTFDTITYEWAPPGVTQKLGLQYMELIPKE<br/> KQPVGTGEGAFYRRRQLMHQLPIYDQDPSRCRGLLENELKLMEEFVKQYKSEALGVGEVALPGQGGLPKE<br/> EGKQKEKPEGAETTAATTNGSLSDPSKEVEYVCELCKGAAPPDSPVVYSDRAGYNKQWHPTCFVCAKCSE<br/> PLVDLIYFWKDGAPWCGRHYCESLRPRCSGCDEIIFAEDYQRVEDLAWHRKHFVCEGCEQLLSGRAYIVT<br/> KGQLLCPTCSKSKRS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ACCN:</b>             | NM_014583                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ORF Size:</b>         | 1095 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_014583.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq Size:</b>      | 1757 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq ORF:</b>       | 1098 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Locus ID:</b>         | 29995                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID:</b>       | <u>Q9NZU5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cytogenetics:</b>     | 3p25.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MW:</b>               | 40.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |