

## Product datasheet for **RC204466A1V**

### Human Claudin 1 (CLDN1) (NM\_021101) AAV Particle

#### Product data:

**Product Type:** AAV Particles  
**Product Name:** Human Claudin 1 (CLDN1) (NM\_021101) AAV Particle  
**Tag:** Myc-DDK  
**Symbol:** Claudin 1  
**Synonyms:** CLD1; ILVASC; SEMP1  
**Mammalian Cell Selection:** None  
**Vector:** pAAV-AC-Myc-DDK (PS100089)  
**ORF Nucleotide Sequence:** >RC204466 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCCAACGCGGGGCTGCAGCTGTTGGGCTTCATTCTCGCCTTCCTGGGATGGATCGGCGCCATCGTCA  
GCACTGCCCTGCCCCAGTGGAGGATTTACTCCTATGCCGGCGACAACATCGTGACCGCCAGGCCATGTA  
CGAGGGGCTGTGGATGTCCTGCGTGTGCGAGAGCACCGGGCAGATCCAGTGCAAAGTCTTTGACTCCTTG  
CTGAATCTGAGCAGCACATTGCAAGCAACCCGTCCTTGATGGTGGTTGGCATCCTCCTGGGAGTGATAG  
CAATCTTTGTGGCCACCGTTGGCATGAAGTGTATGAAGTCTTGAAGACGATGAGGTGCAGAAGATGAG  
GATGGCTGTCTTGGGGGCGCGATATTTCTTCTTGCAGGCTGGCTATTTAGTTGCCACAGCATGGTAT  
GGCAATAGAATCGTTCAAGAATTCTATGACCCTATGACCCAGTCAATGCCAGGTACGAATTTGGTCAGG  
CTCTCTTCACTGGCTGGGCTGCTGCTTCTCTGCTTCTGGGAGGTGCCCTACTTTGCTGTTCTGTCC  
CCGAAAAACAACCTCTTACCAACACCAAGGCCCTATCCAAACCTGCACCTTCCAGCGGAAAGACTAC  
GTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC204466 protein sequence  
Red=Cloning site Green=Tags(s)

MANAGLQLLGFI AFLGWIGAI VSTALPQWRIYSYAGDNIVTAQAMY EGLWMSCVSQSTGQIQCKVFDL  
LNL SSTLQATRALMVVGILLGVIAIFVATVGMKCMKLEDDEVQKMRMAVIGGAI FLLAGLAILVATAWY  
GNRIVQEFYDPMTPVNARYEFGQALFTGWAAASLCLLGGALLCCSCPRKTSYPTPRYPKPAPSSGKDY  
V

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



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|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species:</b>      | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Serotype:</b>     | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>         | NM_021101                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORF Size:</b>     | 633 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>       | <a href="#">NM_021101.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>  | 3452 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 636 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Locus ID:</b>     | 9076                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>   | <a href="#">O95832</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cytogenetics:</b> | 3q28                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MW:</b>           | 22.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |