

## Product datasheet for RC221428A1V

### Human NCALD (NM\_001040624) AAV Particle

#### Product data:

**Product Type:** AAV Particles  
**Product Name:** Human NCALD (NM\_001040624) AAV Particle  
**Tag:** Myc-DDK  
**Symbol:** NCALD  
**Mammalian Cell Selection:** None  
**Vector:** pAAV-AC-Myc-DDK (PS100089)  
**ORF Nucleotide Sequence:** >RC221428 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGGGAAACAGAACAGCAAGCTGCGCCCGGAGGTCATGCAGGACTTGCTGGAAGCACAGACTTTACAG  
 AGCATGAGATCCAGGAATGGTATAAAGGCTTCTTGAGAGACTGCCCCAGTGACATTTGTCAATGGAAGA  
 GTTTAAGAAAATATATGGGAACTTTTCCCTTATGGGGATGCTTCCAAATTTGCAGAGCATGTCTCCGC  
 ACCTTCGATGCAAATGGAGATGGGACAATAGACTTTAGAGAATTCATCATCGCCTTGAGTGAACCTCGA  
 GGGGGAAGCTGGAGCAGAAGCTGAAATGGCCTTCAGCATGTACGACCTGGACGGAATGGCTATATCAG  
 CAAGGCAGAGATGCTAGAGATCGTGCAGGCAATCTATAAGATGGTTTCTCTGTAATGAAATGCCTGAA  
 GATGAGTCAACCCAGAGAAAAGAACAGAAAAGATCTTCGCCAGATGGACACCAATAGAGACGGAAAAC  
 TCTCCATGGAAGATTTCAGGAGGCCAAAAGCGACCCGTCATTGTGCGCCTCCTGCAGTGCACCC  
 GAGCAGTGCCGGCCAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC221428 protein sequence  
 Red=Cloning site Green=Tags(s)

MGKQNSKL RPEVMQDLLESTDFTEHEIQEWYKGLRDCPSGHL SMEEFKKIYGNFFPYGDASKFAEHVFR  
 TFDANGDGTIDFREFIIALSVTSRGKLEQKLKWAFSMYDL DNGYISKAEML EIVQAIYKMVSSVMKMP E  
 DESTPEKRTEKIFRQMDTNRDGKLSMEEFIRGAKSDPSIVRLLQCDPSSAGQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:** Human  
**Serotype:** AAV-2


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|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>         | NM_001040624                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ORF Size:</b>     | 579 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_001040624.1, NP_001035714.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq Size:</b>  | 3760 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 582 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Locus ID:</b>     | 83988                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID:</b>   | <u>P61601</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 8q22.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MW:</b>           | 22.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |