

## Product datasheet for **RC206728A1V**

### Human KASH5 (NM\_144688) AAV Particle

#### Product data:

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | AAV Particles                        |
| Product Name:             | Human KASH5 (NM_144688) AAV Particle |
| Tag:                      | Myc-DDK                              |
| Symbol:                   | KASH5                                |
| Synonyms:                 | CCDC155                              |
| Mammalian Cell Selection: | None                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)           |



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## ORF Nucleotide Sequence:

>RC206728 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGC

ATGGACCTGCCTGAGGGCCCGTGGGTGCCCCACTGCGGAAATGTACCTCCGGGAGCGCCTGAGGAGG  
 CAAGGCTGGGAATGCCGGTCAGCTTGGAGGAGCAAATACTCAACTCCACGTTTGAAGCTTGTGACCTCA  
 GAGGACAGGCACTGTGGCTGTGGCCAGGTGCTGGCCTACCTGGAGGCTGTGACAGGCCAGGGCCCCAG  
 GATGCACGCCTCCAAACATTGGCCAACAGCCTGGACCCCAATGGGGAGGGCCCTAAGGCCACTGTGGACT  
 TGGACACTTTCTGTTGTATGCGTGACTGGATTGCTGCCTGTCAACTACATGGGGATTAGAGCTGGA  
 AGAGGAGACCGCCTTCCAGGGAGCCCTGACCTCCAGCAACTGCCATCTGGATGCCCAGAAGCTGAGGAG  
 CCAGCCAACTGGAGAGCTTCGAGGGCAAGACCCAGACCCGAGCTACAAGCCACAGCTGACCTGCTGA  
 GCAGCCTGGAGGACCTGGAGCTCAGCAACCGACGTCTGGTTGGGAGAATGCCAACTGCAGCGGAGCAT  
 GGAGACAGCTGAGGAGGGGTGAGCAGCCTTGGGAGGAGATCTTGGCTCTGCGTAAGCAGCTTCACAGC  
 ACCCAGCAGGCCCTGCAGTTTGCCAAGGCCATGGATGAGGAGCTGGAGGACCTGAAGACTCTGGCCAGGA  
 GCCTGGAGGAACAGAATCGCAGCCTTCTGGCCCAAGCCCGCAGGCGGAAAAGGAGCAGCAGCATCTGGT  
 GGCTGAGATGGAGACTCTGCAGGAGGAGAACGGGAAGCTGCTTCCGAGCGGGATGGAGTGAAAAAGAGA  
 AGTCAGGAGCTGGCCATGGAGAAGGACACTTTGAAGCGGCAGCTCTTTGAGTGTGAACACCTCATTTGCC  
 AAAGAGACACCATCTCTCTGAGCGCACTCGCATGTGGAGAGCTGGCCAGACCTTGAAGAATACAG  
 AGTGACGACGCAAGAACTGAGGCTGGAGATTTACGCTTGGAGGAGCAGCTGAGTCAGACCTATGAGGGG  
 CCCGATGAGCTACCTGAAGGGGCCAGCTGAGAAGAGTGGGCTGGACCGAGCTGCTACCCCATCGCTGG  
 GCTTGGAGATCGAGGCCATTTCAGAGAAACAGGAAGTGCAACTGCTGATCTCTCAACCTCTGTGTGG  
 GGTGTGGCAGTGGGAGGAAGTCATCCATGAGACCACTGAGGAACTGAGTTTCCATCTGAAGCCCCAGCT  
 GGGGGACAGAGAACTTCCAGGGAGAGCCAGCGCACCTGAAGAAGGAAGGAAGGAGCCATCCATGTGGT  
 TGACCAGAAGAGAGGAAGAGGAGGATGCAGAGAGCCAGGTACGGCTGATCTCCCTGTCCCTCTAGGAGC  
 CCCTCGCCCTGGAGACATCCAGAAAACCTCCAGAGAGACCTGCGCGGCGGGAAGCTCCAGCAAGCCCTG  
 GTGCTGTGATGAAAAAGCTGGTCCAGTCAGGAGGAGGGCTGGGGCCAGCTCTGCCTGCCCCACAGC  
 GGCTCAGAGTCACTCGACATCCACTGATCCAGCTCTGTCTGGGCTGCTGCTGCTGCTGCTCTC  
 TGTCTGCTGCTTGGCCGTCCTCACCTCCACCTGGCCCCACCTCCAGCTCTGCTACCTCCAGCCCCCT  
 CCAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC206728 protein sequence  
 Red=Cloning site Green=Tags(s)

MDLPEGPVGGPTAEMYLRERPEEARLGMPVSLEEQLNSTFEACDPQRTGTVAQVLAAYLEAVTGQGPQ  
 DARLQTLANSLDPNPEGPKATVDLDTFLVVMRDWIAACQLHGGLELEETAFQGALTSQQLPSGCPAEAE  
 PANLESFGGEDPRPELQATADLLSSLEDLEL SNRRLVGENAKLQRSMETAEEGSARLGEEILALRKQLHS  
 TQQALQFAKAMDEELEDKTLARSLLEQNRSLLAQARQAEKEQHLVAEMETLQEENGKLLAERDGVKKR  
 SQELAMEKDTLKRQLFECEHLICQRTDILSERTRDVESLAQTLEEYRVTTQELRLEISRLLEEQLSQTYES  
 PDELPEGAQLRRVGTWTELLPPSLGLEIEAIRQKQEVATADLSNPLCGVWQWEEVIHETSEETFPSEAPA  
 GGQRNFQGEPAHPEEGRKEPSMWL TRREEEEDAESQVTADLPVPLGAPRPGDIPENPPERPARRELQAL  
 VPVMKKLVVRRRAWGQLCLPPQRLRVTRHPLIPAPVLGLLLLLSVLLLGPSPPTWPHLQLCYLQPP  
 PV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

## Species:

Human

## Serotype:

AAV-2

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCN:         | NM_144688                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ORF Size:     | 1686 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Buffer:       | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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><a href="#">NM_144688.3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:  | 2383 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:   | 1689 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 147872                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt ID:   | <u><a href="#">Q8N6L0</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 19q13.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MW:           | 62.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |