**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RC222757A1V

## Human Kv4.3 (KCND3) (NM_004980) AAV Particle

### Product data:

| | |
|---|---|
| **Product Type:** | AAV Particles |
| **Product Name:** | Human Kv4.3 (KCND3) (NM_004980) AAV Particle |
| **Tag:** | Myc-DDK |
| **Symbol:** | KCND3 |
| **Synonyms:** | BRGDA9; KCND3L; KCND3S; KSHIVB; KV4.3; SCA19; SCA22 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pAAV-AC-Myc-DDK (PS100089) |

**ORF Nucleotide Sequence:**

>RC222757 representing NM_004980
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCCGGAGTTGCGGCCTGGCTGCCTTTTGCCCGGGCTGCGGCCATCGGGTGGATGCCGGTGGCCA
ACTGCCCCATGCCCCTGGCCCCGGCCGACAAGAACAAGCGGCAGGATGAGCTGATTGTCCTCAACGTGAG
TGGGCGGAGGTTCCAGACCTGGAGGACCACGCTGGAGCGCTACCCGGACACCCTGCTGGGCAGCACGGAG
AAGGAGTTCTTCTTCAACGAGGACACCAAGGAGTACTTCTTCGACCGGGACCCCGAGGTGTTCCGCTGCG
TGCTCAACTTCTACCGCACGGGGAAGCTGCACTACCCGCGCTACGAGTGCATCTCTGCCTACGACGACGA
GCTGGCCTTCTACGGCATCCTCCCGGAGATCATCGGGGACTGCTGCTACGAGGAGTACAAGGACCGCAAG
AGGGAGAACGCCGAGCGGCTCATGGACGACAACGACTCGGAGAACAACCAGGAGTCCATGCCCTCGCTCA
GCTTCCGCCAGACCATGTGGCGGGCCTTCGAGAACCCCCACACCAGCACGCTGGCCCTGGTCTTCTACTA
CGTGACTGGCTTCTTCATCGCTGTCTCGGTCATCACCAACGTGGTGGAGACGGTGCCGTGCGGCACGGTC
CCGGGCAGCAAGGAGCTGCCGTGCGGGGAGCGCTACTCGGTGGCCTTCTTCTGCCTGGACACGGCGTGCG
TCATGATCTTCACCGTGGAGTACCTCCTGCGGCTCTTCGCGGCTCCCAGCCGCTACCGCTTCATCCGCAG
CGTCATGAGCATCATCGACGTGGTGGCCATCATGCCCTACTACATCGGTCTGGTCATGACCAACAACGAG
GACGTGTCCGGCGCCTTCGTCACGCTCCGGGTCTTCCGCGTCTTCAGGATCTTCAAGTTTTCCCGCCACT
CCCAGGGCCTGCGGATCCTGGGCTACACACTGAAGAGCTGTGCCTCCGAACTGGGCTTTCTTCTCTTCTC
CCTCACCATGGCCATCATCATCTTTGCCACTGTGATGTTTTATGCCGAGAAGGGCTCCTCGGCCAGCAAG
TTCACAAGCATCCCTGCCTCGTTTTGGTACACCATTGTCACCATGACCACACTGGGATACGGAGACATGG
TGCCTAAGACGATTGCAGGGAAGATCTTCGGCTCCATCTGCTCCTTGAGTGGCGTCCTGGTCATTGCCCT
GCCAGTCCCTGTGATTGTTTCCAACTTTAGCCGGATTTACCACCAGAATCAGAGAGCTGATAAACGCAGG
GCACAAAAGAAGGCCCGCCTTGCCAGGATCCGTGTGGCCAAAACAGGCAGTTCGAATGCATACCTGCACA
GCAAGCGCAACGGGCTCCTCAACGAGGCGCTGGAGCTGACGGGCACCCCAGAAGAGGAGCACATGGGCAA
GACCACCTCACTCATCGAGAGCCAGCATCATCACCTGCTGCACTGCCTGGAAAAAACCACTGGGTTGTCC
TATCTTGTGGATGATCCCCTGTTATCTGTACGAACCTCCACCATCAAGAACCACGAGTTTATTGATGAGC
AGATGTTTGAGCAGAACTGCATGGAGAGTTCAATGCAGAACTACCCATCCACAAGAAGTCCCTCACTGTC
CAGCCACCCAGGCCTCACTACCACCTGCTGCTCCCGTCGTAGTAAGAAGACCACACACCTGCCCAATTCT
AACCTGCCAGCTACTCGCCTGCGCAGCATGCAAGAGCTCAGCACGATCCACATCCAGGGCAGTGAGCAGC
CCTCCCTCACAACCAGTCGCTCCAGCCTTAATTTGAAAGCAGACGACGGACTGAGACCAAACTGCAAAAC
ATCCCAGATCACCACAGCCATCATCAGCATCCCCACTCCCCCAGCGCTAACCCCAGAGGGGGAAAGTCGG
CCACCCCCTGCCAGCCCAGGCCCCAACACGAACATTCCTTCCATAGCCAGCAATGTTGTCAAGGTCTCCG
CCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC222757 representing NM_004980
Red=Cloning site Green=Tags(s)

MAAGVAAWLPFARAAAIGWMPVANCPMPLAPADKNKRQDELIVLNVSGRRFQTWRTTLERYPDTLLGSTE
KEFFFNEDTKEYFFDRDPEVFRCVLNFYRTGKLHYPRYECISAYDDELAFYGILPEIIGDCCYEEYKDRK
RENAERLMDDNDSENNQESMPSLSFRQTMWRAFENPHTSTLALVFYYVTGFFIAVSVITNVVETVPCGTV
PGSKELPCGERYSVAFFCLDTACVMIFTVEYLLRLFAAPSRYRFIRSVMSIIDVVAIMPYYIGLVMTNNE
DVSGAFVTLRVFRVFRIFKFSRHSQGLRILGYTLKSCASELGFLLFSLTMAIIIFATVMFYAEKGSSASK
FTSIPASFWYTIVTMTTLGYGDMVPKTIAGKIFGSICSLSGVLVIALPVPVIVSNFSRIYHQNQRADKRR
AQKKARLARIRVAKTGSSNAYLHSKRNGLLNEALELTGTPEEEHMGKTTSLIESQHHHLLHCLEKTTGLS
YLVDDPLLSVRTSTIKNHEFIDEQMFEQNCMESSMQNYPSTRSPSLSSHPGLTTTCCSRRSKKTTHLPNS
NLPATRLRSMQELSTIHIQGSEQPSLTTSRSSLNLKADDGLRPNCKTSQITTAIISIPTPPALTPEGESR
PPPASPGPNTNIPSIASNVVKVSAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:** Human

**Serotype:** AAV-2

**ACCN:** NM_004980

**ORF Size:** 1965 bp

**Buffer:** PBS with 0.001% Pluronic F8558

**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:** NM_004980.3

**RefSeq Size:** 2693 bp

**RefSeq ORF:** 1968 bp

**Locus ID:** 3752

**UniProt ID:** Q9UK17

**Cytogenetics:** 1p13.2

**MW:** 73.3 kDa