

## Product datasheet for **RC213030A1V**

### Human Cytokeratin 2 (KRT2) (NM\_000423) AAV Particle

#### Product data:

|                           |                                                     |
|---------------------------|-----------------------------------------------------|
| Product Type:             | AAV Particles                                       |
| Product Name:             | Human Cytokeratin 2 (KRT2) (NM_000423) AAV Particle |
| Tag:                      | Myc-DDK                                             |
| Symbol:                   | KRT2                                                |
| Synonyms:                 | CK-2e; K2e; KRT2A; KRT2E; KRTE                      |
| Mammalian Cell Selection: | None                                                |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                          |



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## ORF Nucleotide Sequence:

>RC213030 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGAGTTGTCAGATCTCTTGCAATCTCGAGGAAGAGGAGGTGGAGGAGGATTCGGGGCTTCAGCA  
GCGGCTCAGCTGTGGTGTCTGGTGGAAGCCGGAGATCAACTTCCAGCTTCTCCTGCTTGAGCCGCCATGG  
TGGTGGTGGCGGGGGCTTCGGTGGAGGCGGCTTTGGCAGTCGGAGTCTTGTTGGCCTTGAGGGACCAAG  
AGCATCTCCATTAGTGTGGCTGGAGGAGGTGGTGGCTTTGGCGCCGCTGGTGGATTTGGTGGCAGAGGAG  
GTGGTTTTGGAGGCGGCAGCAGCTTTGGAGGTGGCAGCGGCTTCAGTGGTGGTGGTTTCGGTGGAGGCGG  
CTTTGGTGGAGGCGCTTTGGAGGTTTTGGGGCCCTGGTGGTGTGGAGGTTTAGGGGCTCTGGTGGC  
TTTGGGCTGGAGGATACCTGGTGGCATCCACGAAGTCTCTGTCAACCAGAGCCTCTGCAGCCTCTCA  
ACGTGAAAGTTGACCCAGAGATCCAGAATGTGAAGGCCAAGAGCGTGAGCAGATCAAACTCTCAACAA  
CAAATTTGCCTCTTCATTGACAAGGTGCGGTTCTTGGAGCAGCAGAACCAGGTGTACAGACCAATGG  
GAGCTGCTACAACAAATGAATGTTGGCACCCGCCCATCAACCTGGAGCCCATCTCCAGGGGTATATCG  
ACAGCCTCAAGAGATATCTGGATGGGCTCACTGCAGAAAGAACATCACAGAATTCAGAGCTGAATAACAT  
GCAGGATCTTGTGGAGGATTATAAGAAGAAGTATGAGGATGAAATCAATAAGCGCACAGCTGCTGAGAAT  
GATTTTGTGACGCTTAAAAAGGACGTGGACAATGCCTACATGATAAAGGTGGAGTTGCAGTCCAAGGTGG  
ACCTGCTGAACCAGGAAATTGAGTTTCTGAAAGTTCTCTATGATGCGGAGATATCCAGATACATCAGAG  
TGCTACTGACACCAACGTCATCTCTCCATGGACAACAGCCGAACCTGGACTTGGATAGCATCATCGCC  
GAGGTCAAGGCCAGTATGAGGAGATCGCCAGAGGAGCAAGGAAGAAGCGGAGGCCCTGTACCACAGCA  
AGTATGAGGAGCTCCAGGTGACTGTGCGGAGACATGGAGACAGCCTGAAAGAGATCAAGATAGAGATCAG  
CGAGCTGAACCGCGTGATCCAGAGGCTGCAGGGGAGATCGCACATGTGAAGAAGCAGTGAAGAATGTG  
CAAGATGCCATCGCAGATGCCGAGCAGCGTGGGAGCATGCCCTCAAGGATGCCAGGAACAAGTTGAATG  
ACCTGGAGGAGGCCCTGCAGCAGGCCAAGGAGGACTTGGCGCGGCTGCTGCGTGACTACCAGGAGCTGAT  
GAACGTGAAGCTGGCCCTAGATGTGGAGATCGCCACCTACCGCAAACCTGCTGGAGGGCGAGGAGTGCAGG  
ATGTCTGGAGACCTCAGCAGCAATGTGACTGTGTCTGTGACAAGCAGCACCATTTCATCAATGTGGCAT  
CCAAGGCTGCCTTTGGAGTTCTGGAGGTAGAGGTCCAGTTCGGAGGAGGATACAGCTCTGGAAGCAG  
CAGTTATGGCTCTGGAGGCCGACAGTCTGGCTCCAGAGCGGTAGTGGAGGAGGAGTTCTATCTCTGGA  
GGAGGATATGGCTCTGGCGGTGGTTCTGGAGGAAGATACGGATCTGGTGGTGGCTCTAAGGGAGGTTCCA  
TCTCTGGAGGAGGATATGGCTCTGGAGGTGGAACACAGCTCTGGAGGTGGCTCTAGAGGAGGCTCCAG  
CTCTGGAGGAGGATATGGCTCTGGAGGTGGGGTTCTAGCTCTGTAAAGGTAGCTCAGGTGAAGCTTTT  
GGTTCCAGCGTGACCTTCTCTTTTAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC213030 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSCQISCKSRGRGGGGGFRGFSSGSVVSGGSRRSTSSFSCLSRHGGGGGGFGGGGFSGRSLVGLGGTK<br/> SISISVAGGGGGFAGAGFGGRGGGFGGSSFGGSGFSGGGFGGGGFGGGRFGGFGGPGVGLGGPGG<br/> FGPGGYPGGIHEVSVNQSLQLPLNVKVDPEIQNVKAQEREQIKTLNNKFASFIDKVRFLQEQNQVLQTKW<br/> ELLQQMNVGTRPINLEPIFQGYIDSLKRYLDGLTAERTSQNSELNMMQDLVEDYKKKYEDEINKRTAAEN<br/> DFVTLKKDVDNAYMIKVELQSKVDLLNQEIEFLKVLDAEISQIHQSVTDNTNVLSDMNSRNLDLDSIIA<br/> EVKAQYEEIAQRSKEEAALYHSKYEELQVTVGRHGDLSKEIKIEISELNRVIQRLQGEIAHVKKQCKNV<br/> QDAIADAEQRGEHALKDARNKLNDEEALQQAKEDLARLLRDYQELMNVKLALDVEIATYRKLLEGEECR<br/> MSGDLSSNVTVSSTISSNVASKAAFGSGGRGSSSGGGYSSGSSSYSGGRQSGSRGSGGGGSGISG<br/> GGYGSGGGSGGRYGSGGGSKGGSISGGGYGSGGKGHSSGGGSRGGSSSGGYGSGGGSSSVKGSSEAF<br/> GSSVTFSFR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ACCN:             | NM_000423                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ORF Size:         | 1917 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Buffer:           | PBS with 0.001% Pluronic F6979                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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:           | <a href="#">NM_000423.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RefSeq Size:      | 2459 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RefSeq ORF:       | 1920 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Locus ID:         | 3849                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt ID:       | <a href="#">P35908</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cytogenetics:     | 12q13.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MW:               | 65.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |