

## Product datasheet for **RC210733A1V**

### Human RAE1 (NM\_001015885) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human RAE1 (NM_001015885) AAV Particle                            |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | RAE1                                                              |
| Synonyms:                 | dj481F12.3; dj800J21.1; Gle2; MIG14; Mnrp41; MRNP41               |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC210733 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAGCCTGTTTGAACAACCTCAGGTTTTGAACCAAGTGGGACCAGCATGTTTGGCAGTGCAACTACAG  
ACAATCACAATCCCATGAAGGATATTGAAGTAACATCATCTCCTGATGATAGCATTGGTTGTCTGTCTTT  
TAGCCACCAACCTTGCCGGGAACTTTCTATTGCAGGATCATGGGCTAATGATGTTTCGCTGCTGGGAA  
GTTCAAGACAGTGGACAGACCATTCCAAAGCCAGCAGATGCACACTGGGCTGTGCTTGATGTCTGCT  
GGAGTGACGATGGGAGCAAAGTGTTCACGGCATCGTGTGATAAACTGCCAAATGTGGGACCTCAGCAG  
TAACCAAGCGATACAGATCGCACAGCATGATGCTCCTGTATAAACCATCCATTGGATCAAAGCTCCAAAC  
TACAGCTGTGTGATGACTGGGAGCTGGGATAAGACTTTAAAGTTTTGGGATACTCGATCGTCAAATCCTA  
TGATGGTTTTGCAACTCCCTGAAAGGTGTACTGTGCTGACGTGATATACCCCATGGCTGTGGTGGCAAC  
TGCAGAGAGGGGCTGATTGTCTATCAGCTAGAGAATCAACCTTCTGAATTCAGGAGGATAGAATCTCCA  
CTGAAACATCAGCATCGGTGTGTGGCTATTTTTAAAGACAAACAGAACAGCCTACTGGTTTTGCCCTGG  
GAAGTATCGAGGGGAGAGTTGCTATTCACTATATCAACCCCCGAACCCGCCAAAGATAACTTCACCTT  
TAAATGTCATCGATCTAATGGAACCAACACTTCAGCTCCTCAGGACATTTATGCGGTAATGGAATCGCG  
TTCCATCCTGTTTCATGGCACCCTTGCAACTGTGGGATCTGATGGTAGATTCAGCTTCTGGGACAAAGATG  
CCAGAACAAAACATAAACTTCGGAACAGTTAGATCAGCCCATCTCAGCTTGCTGTTTCAATCACAATGG  
AAACATATTTGCATACGTTCCAGCTACGACTGGTCAAAGGGACATGAATTTTATAATCCCCAGAAAAAA  
AATTACATTTTCTGCGTAATGCAGCCGAAGAGCTAAAGCCAGGAATAAGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC210733 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSLFGTTSFGFTSGTSMFGSATDNNHNPMDIEVTSSPDDSIGCLSFSPPTLPGNFLIAGSWANDVRCWE<br/> VQDSGQTIPKAQQMHTGPVLDVCWSDDGSKVFTASCDKTAKMWDLSSNQAIQIAQHDAPVKTIHWIKAPN<br/> YSCVMTGSDKTLKFWDTRSSNPMMLQLPERCYCADVIYPMVAVATAERGLIVYQLENQPSFRRRIESP<br/> LKHQHRCVAIFKDKQNKPTGFALGSIEGRVAIHYNPPNPAKDNFTFKCHRSNGTNTSAPQDIYAVNGIA<br/> FHPVHGTLATVGSDDRFSFWDKARTKLKTSQLDQPIISACCFNHNGNIFAYASSYDWSKGHEFYNPQKK<br/> NYIFLRNAAEELKPRNKK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ACCN:             | NM_001015885                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ORF Size:         | 1104 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>NM_001015885.1</u> , <u>NP_001015885.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RefSeq Size:      | 1839 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:       | 1107 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:         | 8480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt ID:       | <u>P78406</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Cytogenetics:     | 20q13.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MW:               | 41 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |