

## Product datasheet for **RC210158A1V**

### Human GJD2 (NM\_020660) AAV Particle

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                               |
| Product Name:             | Human GJD2 (NM_020660) AAV Particle                                         |
| Tag:                      | Myc-DDK                                                                     |
| Symbol:                   | GJD2                                                                        |
| Synonyms:                 | CX36; GJA9                                                                  |
| Mammalian Cell Selection: | None                                                                        |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                  |
| ORF Nucleotide Sequence:  | >RC210158 representing NM_020660<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGGGGAATGGACCATCTTGGAGAGGCTGCTAGAAGCCGCGGTGCAGCAGCACTCCACTATGATCGGGA  
GGATCCTGTGACTGTGGTGGTATCTCCGGATCCTCATTGTGGCCATTGTGGGGGAGACGGTGTACGA  
TGATGAGCAGACCATGTTTGTGTGCAACACCCTGCAGCCCGGCTGTAACCAAGCCTGCTATGACCGCGCC  
TTCCCCATCTCCACATACGTTACTGGGTCTTCCAGATCATAATGGTGTGTACCCCAAGTCTTTGCTTCA  
TCACCTACTCTGTGCACCAAGTCCGCCAAGCAGCAGAGAACGCCGCTACTCTACAGTCTTCTAGCCCTGGA  
CAGAGACCCCTGAGTCCATAGGAGGTCCTGGAGGAAGTGGGGGTGGGGGCAGTGGTGGGGGCAACGA  
GAAGATAAGAAGTTGCAAAATGCTATTGTGAATGGGGTGTGCAGAACACAGAGAACACCAAGTAAGGAGA  
CAGAGCCAGATTGTTTAGAGGTTAAGGAGCTGACTCCACACCCATCAGGTCTACGCACTGCATCAAAATC  
CAAGCTCAGAAGGCAGGAAGGCATCTCCGCTTCTACATTATCCAAGTGGTGTCCGAAATGCCCTGGAA  
ATTGGGTTCTGGTTGGCCAATATTTCTCTATGGCTTTAGTGTCCAGGGTTGTATGAGTGAACCGCT  
ACCCCTGCATCAAGGAGGTGGAATGTTATGTGTCCCGGCAACTGAGAAGACTGTCTTTCTAGTGTTCAT  
GTTTGTGTAAAGTGGCATCTGTGTGTGCTCAACCTGGCTGAAGTCAACCACTGGGATGGCGAAGATC  
AAGCTGGCTGTGCGAGGGGCTCAGGCCAAGAGAAAGTCAATCTATGAGATTCTGAACAAGGACCTGCCAA  
GGTCAAGTGTCCCAATTTTGGCAGGACTCAGTCCAGTACTCTGCCTATGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC210158 representing NM_020660</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MGWETILERLLEAAVQQHSTMIGRILLTVVIFRILIVAIVGETVYDDEQTMFVCNTLQPGCNQACYDRA<br/> FPISHIRYWVFQIIMVCTPSLCFITYSVHQSAKQRERRYSTVFLALDRDPPESIGGPGGTGGGSGGGKR<br/> EDKKLQNAIVNGVLQNTENTSKETEPDCLEVKELTPHPSGLRTASKSLRRQEGISRFYIIQVFRNALE<br/> IGFLVGQYFLYGFVPGLYECNRYPCIKEVECYVSRPTEKTVFLVFMFAVSGICVVLNLAELNHLGWRKI<br/> KLAVRGAQAKRKSIYEIRNKDLPRVSVPNFGRTQSSDSAYV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:             | NM_020660                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ORF Size:         | 963 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_020660.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RefSeq Size:      | 966 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RefSeq ORF:       | 966 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Locus ID:         | 57369                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt ID:       | <u>Q9UKL4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cytogenetics:     | 15q14                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MW:               | 35.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |