

## Product datasheet for **RC212549A1V**

### Human HYAL1 (NM\_153281) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human HYAL1 (NM_153281) AAV Particle                              |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | HYAL1                                                             |
| Synonyms:                 | HYAL-1; LUCA1; MPS9; NAT6                                         |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC212549 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCAGCCCACTGCTTCCCATCTGCGCCCTCTTCTGACCTTACTCGATATGGCCCAAGGCTTTAGGG  
GCCCCTTGCTACCCAACCGGCCCTTACCACCGTCTGGAATGCAAACACCCAGTGGTGCCTGGAGAGGCA  
CGGTGTGGACGTGGATGTCAGTGTCTTCGATGTGGTAGCCAACCCAGGGCAGACCTTCCGCGGCCCTGAC  
ATGACAATTTTCTATAGCTCCAGCTGGGCACCTACCCCTACTACACGCCCACTGGGGAGCCTGTGTTTG  
GTGCTGCCCCAGAATGCCAGCCTGATTGCCACCTGGCCCGCACATTCCAGGACATCCTGGCTGCCAT  
ACCTGTCTCTGACTTCTCAGGGCTGGCAGTCATCGACTGGGAGGCATGGCGCCACGCTGGGCCTTCAAC  
TGGGACACCAAGGACATTTACCGGCAGCGCTCACGGGCACTGGTACAGGCACAGCACCCCTGATTGCCAG  
CTCCTCAGGTGGAGGCAGTAGCCAGGACAGTTCAGGGAGCTGCACGGGCCTGGATGGCAGGCACCCCT  
CCAGCTGGGGCGGGCACTGCGTCTCGCGGCCCTCTGGGGCTTCTATGGCTTCCCTGACTGCTACAATAT  
GACTTTCTAAGCCCCAACTACACCGGCCAGTGGCCATCAGGCATCCGTGCCCAAATGACCAGTAGGGT  
GGCTGTGGGGCCAGAGCCGTGCCCTCTATCCAGCATCTACATGCCCGCAGTGTGGAGGGCACAGGGAA  
GTCACAGATGTATGTGAACACCGTGTGGCCGAGGCATTCCGTGTGGCTGTGGCTGCTGGTGACCCCAAT  
CTGCCGTGCTGCCCTATGTCCAGATCTTCTATGACACGACAAACCACTTCTGCCCTGGATGAGCTGG  
AGCACAGCCTGGGGGAGAGTGCGGCCAGGGGGCAGCTGGAGTGGTGCTCTGGGTGAGCTGGGAAAATAC  
AAGAACCAAGGAATCATGTACAGCCATCAAGGAGTATATGGACACTACACTGGGGCCCTTCATCCTGAAC  
GTGACCACTGGGGCCCTTCTCTGCACTCAAGCCCTGTGCTCCGGCCATGGCCGCTGTGTCCGCCGACCA  
GCCACCCCAAAGCCCTCCTCCTCTTAACCCTGCCAGTTTCTCCATCCAGCTCACGCCTGGTGGTGGGCC  
CCTGAGCCTGCGGGGTGCCCTCTCACTGAAGATCAGGCACAGATGGCTGTGGAGTTCAAATGTCGATGC  
TACCCTGGCTGGCAGGCACCGTGGTGTGAGCGGAAGAGCATGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC212549 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAAHLIPICALFLTLLDMAQGFRGPELLPNRPFTTVWNANTQWCLERHGVDVDVSFDDVANPGQTFRGPD<br/> MTIFYSSQLGTYPYYTPTGEPVFGGLPQNASLIAHLARTFQDILAAIPAPDFSGLAVIDWEAWRPRWAFN<br/> WDTKDIYRQSRALVQAQHPDWPAPQVEAVAQDQFQGAARAWMAGTLQLGRALRPRGLWGFYGFDCYNY<br/> DFLSPNYTGQCPSGIRAQNDQLGWLWQSRALYPSIYMPAVLEGTGKSQMYVQHRVAEAFRVAVAAGDPN<br/> LPVLPYYQIFYDTTNHFLPLDELEHSLGESAAQGAAGVVLWVSWENTRTKESCQAIKEYMDTTLGPFILN<br/> VTSGALLCSQALCSGHGRCVRRTSHPKALLLNPAFSIQLTPGGGPLSLRGALSLEDQAQMAVEFKCRC<br/> YPGWQAPWCERKSMW</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ACCN:             | NM_153281                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ORF Size:         | 1305 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:           | <a href="#">NM_153281.1</a> , <a href="#">NP_695013.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RefSeq Size:      | 2370 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:       | 1308 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:         | 3373                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt ID:       | <a href="#">Q12794</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Cytogenetics:     | 3p21.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MW:               | 48.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |