

## Product datasheet for **RC209208A1V**

### Human Retinoic Acid Receptor beta (RARβ) (NM\_016152) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human Retinoic Acid Receptor beta (RARβ) (NM_016152) AAV Particle |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | Retinoic Acid Receptor beta                                       |
| Synonyms:                 | HAP; MCOPS12; NR1B2; RARbeta1; RRB2                               |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |



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## ORF Nucleotide Sequence:

>RC209208 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGTTTACTGTATGGATGTTCTGTCTAGTCTGAGTCTGGGCAAATCCTGGATTTCTACACTGCGAGTCCGT  
 CTTCCTGCATGCTCCAGGAGAAAGCTCTCAAAGCATGCTTCAGTGGATTGACCCAAACCGAATGGCAGCA  
 TCGGCACACTGCTCAATCAATTGAAACACAGAGCACCAGCTCTGAGGAACTCGTCCCAAGCCCCCATCT  
 CCACTTCTCCCCCTCGAGTGTACAAACCTGCTTCGTCTGCCAGGACAAATCATCAGGGTACCACTATG  
 GGGTCAGCGCCTGTGAGGGATGTAAGGGCTTTTCCGAGAAAGTATTCAGAAGAATATGATTTACACTTG  
 TCACCGAGATAAGAACTGTGTTATTAATAAAGTACCAGGAATCGATGCCAATACTGTCGACTCCAGAAG  
 TGCTTTGAAGTGGGAATGTCAAAGAATCTGTCAGGAATGACAGGAACAAGAAAAGAAGGAGACTTCGA  
 AGCAAGAATGCACAGAGAGCTATGAAATGACAGCTGAGTTGGACGATCTCACAGAGAAGATCCGAAAAGC  
 TCACCAGGAACTTTCCCTTCACTCTGCCAGCTGGGTAATACACCACGAATTCAGTGTGACCATCGA  
 GTCCGACTGGACCTGGGCCTCTGGGACAAATTCAGTGAATGGCCACCAAGTGCATTATTAAGATCGTGG  
 AGTTTGCTAAACGTCTGCCTGGTTTCACTGGCTTGACCATCGCAGACCAATACCCCTGTGAAGGCCGC  
 CTGCCTGGACATCCTGATTCTTAGAATTTGACCAGGTATACCCAGAACAGACACCATGACTTTCTCA  
 GACGGCCTTACCCTAAATCGAACTCAGATGCACAATGCTGGATTTGGTCTCTGACTGACCTTGTTTCA  
 CCTTTGCCAACAGCTCCTGCCTTTGGAAATGGATGACACAGAAACAGGCCTTCTCAGTGCCATCTGCTT  
 AATCTGTGGAGACCGCCAGGACCTTGAGGAACCGACAAAAGTAGATAAGCTACAAGAACCATTGCTGGAA  
 GCACTAAAAATTTATATCAGAAAAAGACGACCCAGCAAGCCTCACATGTTTCAAAGATCTTAATGAAAA  
 TCACAGATCTCCGTAGCATCAGTGCTAAAGGTGCAGAGCGTGAATTACCTTGAAAATGGAAATTCCTGG  
 ATCAATGCCACCTCTCATTCAAGAAATGCTGGAGAAATCTGAAGGACATGAACCTTGACCCCAAGTTCA  
 AGTGGGAACACAGCAGAGCAGTCTAGCATCTACCCAGCTCAGTGGAAAACAGTGGGGTCAGTCAGT  
 CACCACTCGTGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC209208 protein sequence  
 Red=Cloning site Green=Tags(s)

MFDCMDVLSVSPGQILDFTYASPSMCLQEALKACFSGLTQTEWQHRHTAQSIETQSTSSEELVPSPPS  
 PLPPPRVYKPCFVCQDKSSGYHYGVSAEGCKGFFRRSIQKNMIYTCRDKNCVINKVTRNRCQYCRLOK  
 CFEVMSKESVRNDRNKKKETSQECTESYEMTAELDDLTEKIRKAHQETFPSLCQLGKYTTNSSADHR  
 VRLDLGLWDFSELATKCIKIVEFAKRLPGFTGLTIADQITLLKAACLDILILRICTRYTPEQDTMTFS  
 DGLTLNRTQMHNAGFGLTDLVFTFANQLLPLEMDDTETGLLSAICLICGDRQDLEETPKVDKLQEPLLE  
 ALKIYIRKRRPSKPHMFPKILMKITDLRSISAKGAERVITLKMEIPGSMPLIQEMLENSEGHEPLTPSS  
 SGNTAEHSPSISPSSVENSQVSPPLVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM\_016152

ORF Size:

1344 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_016152.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:  | 2865 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:   | 1011 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 5915                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt ID:   | <u>P10826</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 3p24.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MW:           | 50.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |