

## Product datasheet for **RC223886A1V**

### Human **MACROH2A1 (NM\_001040158) AAV Particle**

#### Product data:

|                |                                                               |
|----------------|---------------------------------------------------------------|
| Product Type:  | AAV Particles                                                 |
| Tag:           | Myc-DDK                                                       |
| Symbol:        | MACROH2A1                                                     |
| Synonyms:      | H2A.y; H2A/y; H2AF12M; H2AFY; MACROH2A1.l; macroH2A1.2; mH2A1 |
| Mammalian Cell | None                                                          |
| Selection:     |                                                               |
| Vector:        | pAAV-AC-Myc-DDK (PS100089)                                    |

**ORF Nucleotide Sequence:** >RC223886 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTCGAGCCGCGGTGGGAAGAAGAAGTCCACCAAGACGTCCAGGTCTGCCAAAGCAGGAGTCATCTTTC  
CCGTGGGGCGGATGCTGCGGTACATCAAGAAAGGCCACCCCAAGTACAGGATTGGAGTGGGGCACCCGT  
GTACATGGCCGCGCTCCTGGAATACCTGACAGCGGAGATTCTGGAGCTGGCTGGCAATGCAGCGAGAGAC  
AACAAGAAGGGACGGGTACACCCCGGCACATCCTGCTGGCTGTGGCCAATGATGAAGAGCTGAATCAGC  
TGCTAAAAGGAGTCACCATAGCCAGTGGGGGTGTGTTACCCAACATCCACCCGAGTTGCTAGCGAAGAA  
GCGGGGATCCAAAGGAAAGTTGGAAGCCATCATCACACCACCCAGCCAAAAAGCCAAGTCTCCATCC  
CAGAAGAAGCCTGTATCTAAAAAGCAGGAGGCAAGAAAGGGGCCGGAATCCAAGAAGAAGCAGGGTG  
AAGTCAGTAAGGCAGCCAGCGCCGACAGCACAACCGAGGGCACACCTGCCGACGGCTTCACAGTCCTCTC  
CACCAAGAGCCTCTTCTTGGCCAGAAGCTGAACCTTATTCACAGTGAAATCAGTAATTTAGCCGGCTTT  
GAGGTGGAGGCCATAATCAATCCTACCAATGCTGACATTGACCTTAAAGATGACCTAGGAAACACGCTGG  
AGAAGAAAGGTGGCAAGGAGTTTGTGGAAGCTGTCTGGAATCCGAAAAAGAACGGGCCCTTGGAAAGT  
AGCTGGAGCTGCTGTACGCGCAGGCCATGGCCTGCCTGCCAAGTTTGTGATCCACTGTAATAGTCCAGTT  
TGGGGTGCAGACAAGTGTGAAGAACTTCTGGGAAAGACAGTGAAAACTGCTTGGCCCTGGCTGATGATA  
AGAAGCTGAATCCATTGCATTTCCATCCATCGGCAGCGGCAGGAACGGTTTTCCAAGCAGACAGCAGC  
TCAGCTGATTCTGAAGGCCATCTCCAGTTACTTCGTGTCTACAATGTCCTCTTCCATCAAAACGGGTGAC  
TTCGTGCTTTTTGACAGCGAGAGTATAGGCATCTATGTGCAGGAAATGGCCAAGCTGGACGCCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC223886 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSSRGKKKSTKTSRSKAGVIFPVGRMLRYIKKGHPKYRIGVGAPVYMAAVLEYLTAEILELAGNAARD<br/> NKKGRVTPRHILLAVANDEELNQLLKGVTIASGGVLPNIHPELLAKKRGSKGKLEAIITPPPAKKAKSPS<br/> QKKPVSKKAGGKKGARKSKKKQGEVSKAASADSTTEGTPADGFTVLSTKSLFLGQKLNLIHSEISNLAGF<br/> EVEAIINPTNADIDLKDDLNTLEKKGGKEFVEAVLELRKKNGPLEVAGAAVSAGHGLPAKFVIHCNSPV<br/> WGADKCEELLGKTVKNCLALADKKLSIAFPISIGSRNGFPKQTAAQLILKAISSYFVSTMSSSIKTVY<br/> FVLFDSESIGIYVQEMAKLDAN</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ACCN:</b>             | NM_001040158                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ORF Size:</b>         | 1116 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Stability:</b>        | 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.                                                            |
| <b>RefSeq:</b>           | <u>NM_001040158.1, NP_001035248.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq Size:</b>      | 1937 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq ORF:</b>       | 1116 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Locus ID:</b>         | 9555                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>       | <u>O75367</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cytogenetics:</b>     | 5q31.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MW:</b>               | 39.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |