

## Product datasheet for **RC202939A1V**

### Human HOXA10 (NM\_018951) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human HOXA10 (NM_018951) AAV Particle                             |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | HOXA10                                                            |
| Synonyms:                 | HOX1; HOX1.8; HOX1H; PL                                           |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC202939 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCATGCTCGGAGAGCCCCGCCGGAACCTTTTTTGGTCGACTCGCTCATCAGCTCGGGCAGAGGCG  
AGGCAGGCGGGTGGTGGTGGCGCGGGGGCGGCGCGGTGGCGTTACTACGCCACGGCGGGTCTA  
CCTGCCGCCCGCCGACCTGCCCTACGGGTGCAGAGCTGCGGGCTCTTCCCCACGCTGGGCGCAAG  
CGCAATGAGGCAGCGTCGCGGGCAGCGGTGGCGGTGGCGGGGTCTAGGTCCCGGGCGCACGGCTACG  
GGCCCTCGCCATAGACCTGTGGCTAGACGCGCCCCGGTCTTGCCGGATGGAGCCGCTGACGGGCCGCC  
GCCGCCGCCCGCAGCAGCGCGCGCCCCGCCGCAACCCAGCCAGCGCCGAGGCCACCTCGTGC  
TCTTTCGCGCAGAACATCAAAGAAGAGAGCTCCTACTGCCTCTACGACTCGGCGGACAAATGCCCAAAG  
TCTCGGCCACCGCCGCGGAACCTGGCTCCCTTCCCGCGGGGCCGCCGCCGACGGCTGCGCCCTGGGCAC  
CTCCAGCGGGGTGCCAGTGCCTGGCTACTTCCGCCTTCTCAGGCCTACGGCACCGCCAAGGGCTATGGC  
AGCGGCGGGCGGCGCGCAGCAACTCGGGGTGGCCCGTTCCCGCGCAGCCCCGGGGCGCGGTTTCG  
ATCTCCCGCCCGCTAGCCTCCGGCTCGGCCGATGCGGCCGGAAGGAGCGAGCCCTCGATTGCGGCC  
GCCCCCACGCTGGCTTGCGGCAGCGGGGGGCTCGCAGGGCGACGAGGAGCGCACGCGTCGTCTCG  
GCCGCGGAGGAGCTCTCCCGGCCCTTCCGAGAGCAGCAAAGCTCGCCGGAAGGATTCCCTGGGCA  
ATTCAAAGGTGAAAACGACGCAACTGGCTCACGGCAAAGAGTGGTCGGAAGAAGCGCTGCCCTACAC  
GAAGCACCAGACTGGAGCTGGAGAAGGAGTTTCTGTTCAATATGTACCTTACTCGAGAGCGGCGCCTA  
GAGATTAGCCGACGCTCCACCTCACGGACAGACAAGTAAAAATCTGGTTTCAGAACCGCAGGATGAAAC  
TGAAGAAAATGAATCGAGAAAACCGGATCCGGGAGCTCACAGCCAACCTTAATTTTCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC202939 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSCSESPAANSFLVDSLISGRGEAGGGGGGAGGGGGGGYAHGGVYLPPAADLPYGLQSCGLFPTLGGK<br/> RNEAASPGSGGGGGGLGPAHGYGSPIDLWLDAPRSCRMPPDGPPPPQPPPPQPPQAPQATSC<br/> SFAQNIKEESSYCLYDSADKCPKVSATAAELAPFPRGPPPDGCALGTSSGVPVPGYFRLSQAYGTAKGYG<br/> SGGGGAQQLGAGPFAQPPGRGFDLPPALASGSADAARKERALDSPPPPTLACGSGGGSQGDDEAHASSS<br/> AAEELSPAPSESSKASPEKDSLGNKGENAANWLTAKSGRKKRCPYTKHQTLELEKEFLFNMYLTRERRL<br/> EISRSVHLTDRQVKIWFQNRMKLKKMNRENRIRELTANFNFS</p> <p>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ACCN:             | NM_018951                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ORF Size:         | 1179 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_018951.2</a> , <a href="#">NP_061824.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RefSeq Size:      | 2648 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| RefSeq ORF:       | 1233 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Locus ID:         | 3206                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| UniProt ID:       | <a href="#">P31260</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cytogenetics:     | 7p15.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MW:               | 40.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |