

## Product datasheet for **RC219638A1V**

### Human FAM123A (AMER2) (NM\_199138) AAV Particle

#### Product data:

|                           |                                                |
|---------------------------|------------------------------------------------|
| Product Type:             | AAV Particles                                  |
| Product Name:             | Human FAM123A (AMER2) (NM_199138) AAV Particle |
| Tag:                      | Myc-DDK                                        |
| Symbol:                   | FAM123A                                        |
| Synonyms:                 | FAM123A                                        |
| Mammalian Cell Selection: | None                                           |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                     |



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## ORF Nucleotide Sequence:

>RC219638 representing NM\_199138  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGAGACGAGCCGAGCCGCGCGCGCGCGGGCTGTACGAGCGCGCGGAGCTGGCGCGTCCGTGG  
 GGGTCTGCAGGAGGAAGGCGGAGGCCGGGGCCGGGACCGGACCCTCGCGGCAGACATGGACTTGCATTG  
 TGAATGTGCCGCCGAAACGCGCGCGCGGAGCCGCGCTCGGGGAAGATTAATAAAGCTGCCTTCAAATTA  
 TTCAAGAAGAGGAAATCGGGTGGCACCATGCCAGCATTTTGGGGTCAAAAACAAAGGGAGCGGAAAA  
 GCTCGGGTCCGACGGGGTGGTGAAGAGCAGGACCCACGAGGACTTCCGAGGTGCTGGTGGTGGAGAG  
 CGGCAGGAAGGAGGAGCCGCGCGCGGGGGCGACAGCGCGGGGGCGCGGGGGGGCGGCCGAACCCGGG  
 CCCCCAGAGCCGAGGGCCCGCGGGGGCTCCCTCGCCAGCAGCTCGGTGGCCAAGTCGCACAGCTTCT  
 TCTCGTGCTGAAGAAGAAGCGGCGCTCGGAAACGGCAAGGAGAGCCTGTGGACGCGAGCAAGCCGG  
 CGGCAAAACAAAGCGGGGGCTGCGGGGGCTGTTACGCGCATGCGCTGGCACAGGAAAGACAAGCGGGCC  
 AAGGCGGAGGCCGCGGAGGGGCGCGCGCCGGGGCGGCTTGATCCTACCCGGCTCGCTACCGCCAGCC  
 TGGAGTGCCTCAAGGAGGAGACGCCAGAGCCGCGCGGAGCCGAGGAGCCAGCCAGGACGCCCGCGG  
 AGACCCAGCAGGCTGTGGAGATATTATTCAGACCAAGAGGAAGAGGCAGGTCCAGCTGTGACAAGCAT  
 GTCCCCGGGCCAGGCAAGCCGGCTCTGTCTAAAAAGAACCCCGGCGTGGTGGCTACCAAGGAGGCGGGG  
 AAGAGATGGCCAGCCCGACGAGGTGGACGACACCTATCTACAGGAGTTCTGGGACATGCTCTCCAGAC  
 CGAGGAGCAGGACCCGAGCCCGAGGAGGCGCGGCTAAGGTGGCAGCTGCGCTGGAAACCAAGGTGGTG  
 CCCGAGACCCCAAGACACAGGTGTGTGAAGCGGCCAAGGACGCGTCTCGGTCAAGCGCAGGAGGC  
 TCAACCGGATTCCCATCGAGCCCATCTAAGGAGGAGCCCAAGCACCAGGAGGAGGAGCAGCAAGGAGG  
 CGTCCCCAACAGCGACGAGGGCTACTGGGACTCCACCAGGCCAGGCCAGAGGAAGACAGCTCGAGCAGC  
 GGAAGAAGGCGGGCATCCCCGGGATAGCTACAGCGGGGACGCGCTCTATGATCTCTATGCTGACCCGG  
 ACGGAAGTCCAGCAACCTTCTCGAGGGAAGGACAACAGGAGAGCTCTCCCTGTCCCGTTAAAGCC  
 CGTATCTCCAGGACCATCACCTGTCCACTGCGAACACCGAGCAGCTTGTGAAGGACTTAAGATCCCT  
 ATTAGCATCAAGCAGCTGACCAACCTTCCATCTAGCCATCCCGTGGTGCACCAGCAACCTCCAGGAGTG  
 AGATGCCCAGAACAAAATCCCGGTTTCCAAAGTGTGGTCCGAGAGTCAGCAACCGGGGCTTGCTGG  
 GACCACCATCAGAGCAACGGCTGCCACGACAGTGCCAAAAAGTTG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC219638 representing NM\_199138  
 Red=Cloning site Green=Tags(s)

METSRSRGGGAVSERGGAGASVGVCRKAEAGAGTGTLAADMDLHCDAAETPAAEPPSGKINKAAFKL  
 FKRRKSGGTMPSTIFGVKNKGDKSSGPTGLVRSRTHDGLAEVLVLESGRKEEPRGGGDSGGGGGGRPNPG  
 PPRAAGPGGSLASSVAKSHSFFSLLKKNRSENGKGEVVDASKAGGKQKRGLRGLFSGMRWHRKDKRA  
 KAEAAEGRAPGGGLILPGSLTASLECVKEETPRAAREPEEPSQDAPRDPAGCGDIIADQEEEAGPSCDKH  
 VPGPGKPALSKKNPGVVAYQGGGEEMASPDEVDDTYLQEFWDMLSQTEEQGPEPQEGAAKVAAALETKVV  
 PETPKDTRCVEAAKDASSVKRRRLNRIPIEPHPKEPKHPEKEQEGVPNSDEGYWDSTTPGPEEDSSSS  
 GKKAGIPRDSYSGDALYDLADPDGSPATLPGGKDNEETSSLRSLKPVSPGTITCPLRTPGSLKDSKIP  
 ISIKHLTNLPSSHPVVHQPSRSEMPRTKIPVSKVLVRRVSNRGLAGTTIRATACHDSAKKL

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM\_199138

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ORF Size:</b>     | 1656 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_199138.1, NP_954589.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>  | 2841 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1659 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 219287                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>   | <u>Q8N7J2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 13q12.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MW:</b>           | 57.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |