

## Product datasheet for **RC221662A1V**

### Human RAI16 (FAM160B2) (NM\_022749) AAV Particle

#### Product data:

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Product Type:             | AAV Particles                                   |
| Product Name:             | Human RAI16 (FAM160B2) (NM_022749) AAV Particle |
| Tag:                      | Myc-DDK                                         |
| Symbol:                   | FAM160B2                                        |
| Synonyms:                 | RAI16                                           |
| Mammalian Cell Selection: | None                                            |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                      |



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## ORF Nucleotide Sequence:

>RC221662 representing NM\_022749  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGAGCCGGCTCGGGCGCTGCTGCAGGAAGCCGTGGGGCGCGCAGCCAGCATTGACCTGCTGC  
 AGGCCTTCGTGGAGCACTGGAAGGGCATCACGCACTACTACATCGAGAGCACAGATGAAAGCACCCCGC  
 CAAGAAGACAGACATTCCCTGGCGGCTGAAGCAGATGCTGGATATCCTGGTGTATGAAGAGCAGCAGCAG  
 GCGGCCCGGGTGAGGCAGGGCCCTGCCTGGAGTACCTGCTGCAGCACAAGATCCTGGAGACTCTCTGCA  
 CGCTGGGCAAGGCCGAGTACCCCCAGGCATGCGGCAGCAGGTGTTCCAGTTCTTCAGCAAGGTTCTGGC  
 GCAGGTGCAGCACCCCTGCTGCATTACCTCAGCGTCCACAGGCCTGTGCAGAACTCCTCCGACTTGGT  
 GGGACTGCTTCCGGATCCGTTACAGAAAAGGAGGAGTGCAGTTCACCACCGTCTCTGCTCCAAGATCC  
 AGCAGGACCCAGAGCTGCTCGCTACATCCTGGAAGGTAAAAAGATTGTAGGTAGGAAGAAAGCATGCGG  
 AGAACCCACTGCCCTGCCTAAGGACACAACCAGCCACGGGGACAAGGACTGCTCCACGATGGTGTCTCT  
 GCCAGGCCCCAGCTGGACGGGGAGTCTGTGGGGCCAGGCCTTGAACAGCCACATGCCTGCTGAGACCG  
 AGGAGCTGGACGGTGGGACCACAGAGAGCAACCTGATTACCTCCCTGCTTGGGCTGTGCCAGAGCAAGAA  
 GAGTCGGGTGGCTTGAAGGCCAGGAGAACCTGCTGCTCCTGGTGGAGTGGCCTCCCCAGCAGCTGCC  
 ACCTACCTGGTACAGAGCAGCGCTGCTGCCCTGCGATCGTCCGGCACCTTTGCCAGTTGTACCGGTCCA  
 TGCTGTCTTCTGGACCCCGCAGACATTGCCACCTTAGAGGGCATCAGCTGGAGGTTACCCAGTGCCCC  
 GTCTGATGAGGCTTCTTCCCTGGCAAGGAGGCCTTGGCTGCCTTCTTGGGCTGGTTTGATTACTGCGAC  
 CACCTCATCACAGAGGCACACAGGTGGTTGCGGACGCTTGGCGAAGGCTGTGGCTGAGAACTTCTTCG  
 TGGAGACCCTGCAGCCCCAGCTCCTGCACGTGTCCGAGCAGAGCATCTTGACCTCCACCGCCCTCCTCAC  
 AGCCATGCTGCGCCAGCTTCGCTCCCTGCGCTGCTGCGGGAGGCCGTGGCTTTCTCCTGGGCACAGAC  
 CGGCAGCCTGAAGCCCCCGGGACAACCCCAACCCCTGTATGCTCATCTCATCGGGCATTGTGACCACC  
 TCTCTGATGAGATCAGCATCACCACTCCGGCTGTTTGAGGAGCTGCTGCAGAAGCCCCACGAGGGGAT  
 CATCCACAGCCTGGTCTGCGCAACCTTGAGGGCCGCCCTTACGTGGCTGGGGCTCACCAGAGCCTGAG  
 AGCTATGAGGACACCCTAGACCTGGAGGAAGACCCCTACTTCACCGACAGCTTCTGGATTCCGGCTTTC  
 AAATCCCGCAAAGCCTCGCTAGCTCCTGCTACCACTTACGATGGCAAAACAGCAGTGACCGAGATCGT  
 CAACAGTTTCTGTGCCTGGTCCCCGAGGAAGCCAAGACCTCTGCCTTCTGGAGGAGACAGGCTATGAC  
 ACATACGTCCACGATGCTTATGGCTGTTCCAGGAGTGCAGCTCCCGCTGCGCTCCTGGGGCTGGCCTC  
 TGACCCCCACACCTTTGACCCCATGAGCCCGAGCGACCTTTCTTCGAGGGCCACTTCTCCGAGTGCT  
 GTTTGACCGCATGTCCCGGATTCTGGATCAGCCATACAGCCTGAACCTGCAGGTGACCTCGGTCTGTCC  
 CGGCTTGCCCTTCCCCACCCCATATTATGAGTACCTGCTGGATCCGTACATCAGCCTGGCCCCCG  
 GCTGCAGGAGCCTATTCTCCGTGTTGGTGAGGGTGATCGGGGACTTGATGCAGAGAATCCAGAGGGTACC  
 CCAGTTCCAGGCAAGCTGCTCCTGGTGCGAAGCAGTTGACGGGCCAGGCTCCTGGGGAGCAGCTGGAC  
 CACCAGACCCTCCTCCAGGGCGTGGTGGTGTGGAGGAGTTCTGCAAGGAGCTGGCTGCCATTGCCTTCG  
 TCAAGTTTCCCCACATGATCTCGCCAGAACGTCTCCCAGCCCCGAAGGGCAGGTC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC221662 representing NM_022749</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MLSRLGALLQEAVGAREPSIDLLQAFVEHWKGITHYYIESTDESTPAKKTIDIPWRLKQMLDILVYEEQQQ<br/> AAAGEAGPCLEYLLQHKILETLCTLGAEYPPGMRQQVFQFFSKVLAQVQHPLLHYLSVHRPVQKLLRLG<br/> GTASGSVTEKEEVQFTTVLCSKIQQDPELLAYILEGKKIVGRKKACGEPTALPKDTTSHGDKDCSHDGAP<br/> ARPQLDGESCGAQLNSHMPAETEELDGGTTESNLITSLGLCQSKKSRVALKAQENLLLLVSMASPA<br/> TYLVQSSACCPAIVRHLCQLYRMPVFLDPADIATLEGISWRLPSAPSDEASFPGEALAAFLGWFDYCD<br/> HLITEAHTVVADALAKAVAENFFVETLQPQLLVHVEQSILTSTALLTAMLRQLRSPALLREAVAFLLGTD<br/> RQPEAPGDNPHLYAHLIGHCDHLSDEISITTLRLFEELLQKPHEGIIHSLVLRNLEGRPYVAWGSPEPE<br/> SYEDTLDLEEDPYFTDSFLDSGFQTPAKPRLAPATSYDGKTAVTEIVNSFLCLVP EEAKTSAFLEETGYD<br/> TYVHDAYGLFQECSSRVASWGWPLTPTPLDPEPERPFFEGHFLRVLFDRMSRILDQPYSNLQVTSVLS<br/> RLALFPHPHIHEYLLDPYISLAPGCRSLFSVLVRVIGDLMQRIQRPVQFP GKLLLVRKQLTGQAPGEQLD<br/> HQTLQGVVVLEEFCKELAAIAFVKFPHPDPRQNVSPAPEGQV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ACCN:             | NM_022749                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ORF Size:         | 2229 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Buffer:           | PBS with 0.001% Pluronic F8374                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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_022749.5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RefSeq Size:      | 3759 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RefSeq ORF:       | 2232 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Locus ID:         | 64760                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt ID:       | <u>Q86V87</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cytogenetics:     | 8p21.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MW:               | 82.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |