

## Product datasheet for **RC226047A1V**

### Human Kindlin 2 (FERMT2) (NM\_001135000) AAV Particle

#### Product data:

|                           |                                                      |
|---------------------------|------------------------------------------------------|
| Product Type:             | AAV Particles                                        |
| Product Name:             | Human Kindlin 2 (FERMT2) (NM_001135000) AAV Particle |
| Tag:                      | Myc-DDK                                              |
| Symbol:                   | FERMT2                                               |
| Synonyms:                 | KIND2; mig-2; MIG2; PLEKHC1; UNC112; UNC112B         |
| Mammalian Cell Selection: | None                                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                           |



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## ORF Nucleotide Sequence:

>RC226047 representing NM\_001135000  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCTGGACGGGATAAGGATGCCAGATGGCTGCTACGCGGACGGGACGTGGGAAGTGAAGTGTCCATG  
 TGACGGACCTGAACCGCGATGTACCCTGAGAGTGACCGCGAGGTGCACATTGGAGGCGTGATGCTTAA  
 GCTGGTGGAGAACTCGATGTAAAAAAGATTGGTCTGACCATGCTCTCTGGTGGGAAAAGAAGAGAACT  
 TGGCTTCTGAAGACACATTGGACCTTAGATAAGTATGGTATTCAGGCAGATGCTAAGCTTCAGTTCACCC  
 CTCAGCACAACTGCTCCGCTGCAGCTTCCCAACATGAAGTATGTGAAGGTGAAAGTGAATTTCTCTGA  
 TAGAGTCTTCAAAGCTGTTTCTGACATCTGAAGACTTTTAATATCAGACACCCGAAGAACTTTCTCTC  
 TTAAGAAACCCAGAGATCCAACAAAGAAAAAAGAAGCTAGATGACCAGTCTGAAGATGAGGCAC  
 TTGAATTAGAGGGGCTCTTATCACTCTGGATCAGGAAGTATATATTCAAGCCAGGACTGTATAGTAA  
 AACAATGACCCCACTTATGATGCTCATGATGGAAGCCCTTGTCAACCACTTCTGCTTGGTTTGGTGAC  
 AGTGCTTTGTGCAAGGCAATCCTGGTATACTTGTCTGAGTCAACCAATCACGTCAACGAAATCTTGG  
 CAAAAATGTTCAAGCCTCAAGCTCTTCTTGATAAAGCAAAAAATCAACCAAGGATGGCTTGATTCTCAAG  
 ATCTCTCATGGAACAAGATGTGAAGGAAATGAGGCCTTGCTGCTCCGATTCAAGTATTACAGCTTTTTT  
 GATTTGAATCCAAAGTATGATGCAATCAGAATCAATCAGCTTTACGAGCAGGCCAAATGGGCCATTCTCC  
 TGGAAGAGATTGAATGCACAGAAGAAGAAATGATGATGTTTGCAGCCCTGCAGTATCATATCAATAAGCT  
 GTCAATCATGACATCAGAGAATCATTTGAACAACAGTGACAAAGAAGTTGATGAAGTTGATGCTGCCCTT  
 TCAGACCTGGAGATTACTCTGGAAGGGGTAAAACGTCAACAATTTGGGTGACATTACTTCCATTCTG  
 AACTTGCTGACTACATTAAGTTTTCAAGCCAAAAAGCTGACTCTGAAAGGTTACAAACAATATTGGTG  
 CACCTTCAAAGACACATCCATTTCTTGTATAAGAGCAAAGAAGATCCAGTGGCACACCAGCTCATCAG  
 ATGAACCTCAGGGGATGTGAAGTTACCCAGATGTAAACATTTCAAGCCAAAAATTTAACATTAACTCC  
 TGATTCCAGTTGCAGAAGGCATGAATGAAATCTGGCTTCGTTGTGACAATGAAAAACAGTATGCACACTG  
 GATGGCAGCCTGCAGATTAGCCTCCAAAGGCAAGACCATGGCGGACAGTTCTTACAACCTAGAAGTTCAG  
 AATATTCTTTCTTTCTGAAGATGCAGCATTTAAACCCAGATCCTCAGTTAATACCAGAGCAGATCACGA  
 CTGATATAACTCCTGAATGTTTGGTGTCTCCCGCTATCTAAAAAAGTATAAGAACAAGCAGCCAGGCTA  
 TATAAGAGATTTGATAACAGCGAGAATCTTGAGGCCCATCAGAAATGTAGCTCAGATGAGTCTAATTGAA  
 GCCAAGATGAGATTTATTCAAGCTTGGCAGTCACTACCTGAATTTGGCATCACTCACTTCATTGCAAGGT  
 TCCAAGGGGGCAAAAAAGAAGAACTTATTGGAATTGCATACAACAGACTGATTCCGATGGATGCCAGCAC  
 TGGAGATGCAATTAACATGCGCTTTCAGCAACATGAAACAGTGAATGTCAACTGGGAAATCAAAATG  
 GTAAACTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC226047 representing NM_001135000</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MALDGIRMPDGCYADGTWELSVHVTDLNRDVTLRVTGEVHIGGVMLKLVEKLDVKKDWSHDALWWEKKRT<br/> WLLKTHWTLDKYGIQADAKLQFTPQHLLRLQLPNMKYVKVKNVSDRVFKAUSDICKTFNIRHPEELSL<br/> LKKPRDPTKKKKKKLDDQSEDEALELEGPLITPGSGSIYSSPGLYSKTMPTTYDAHDGSPLSPTSAWFGD<br/> SALSEGNGILAVSQPITSPEILAKMFKPQALLDKAKINQGWLDSSRSLMEQDVKENEALLRFKYYSFF<br/> DLNPKYDAIRINQLYEQAKWAILLEEIECTEEEMMMFAALQYHINKLSIMTSENHLNNSDKEVDEVDAAL<br/> SDLEITLEGGKTSTILGDITSIPELADYIKVFKPKKLTGKYKQYWCTFKDTSISCYKSKEESSGTPAHQ<br/> MNLRGCEVTPDVNISGQKFNILLIPVAEGMNEIWLRCNEKQYAHWMAACRLASKGKTMADSSYNLEVQ<br/> NILSFLKMQHLPDPQLIPEQITTDITPECLVSPRYLKKYKNKQPGYIRDLTARILEAHQNVQMSLIE<br/> AKMRFIQAWQSLPEFGITHFIARFQGGKKEELIGIAYNRLIRMDASTGDAIKTWRFNMKQWNVNWEIKM<br/> VNS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ACCN:             | NM_001135000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ORF Size:         | 1899 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Buffer:           | PBS with 0.001% Pluronic F8975                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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_001135000.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RefSeq ORF:       | 1902 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Locus ID:         | 10979                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt ID:       | <u>Q96AC1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Cytogenetics:     | 14q22.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MW:               | 72.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |