

Product datasheet for **RR215493**

Akirin1 (NM_001030054) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Akirin1 (NM_001030054) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Akirin1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR215493 representing NM_001030054
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTGC GG GCGACACTGAAACGGCCCATGGAGTTCGAGGCGGCGCTGCTGAGCCCCGGTCCCCGA
 AGCGGCGACGCTGCGCCCTCTGCCCGGCCCACTCCGGGCTCAGGCCCGGACGCCGAGCCCGCCG
 GTTTCAGATGCAGACACCGCCGGCGAGCCTCCAGCAGCCTGCCCTCCCGCAGCGAGCGTCGCCTTCCA
 ACTCCTGAGCAAATTTTTCAGAACATAAAACAAGAATATAATCGTTACCAGAGATGGAGACATTTAGAAG
 TTGTTCTCAGTCAGAGTGAAGCCTGTACTTCAGAAAGCCAATCCTCCTCGGCCTACTGACCAAG
 CTCTCCAGGTGCTTTCTGGATGAAGAAGGACCAGCCACCTTTACCCTTCGACAAGTGGGAATAATATGT
 GAGCGTCTCTTAAAGACTATGAAGATAAAGTCCGGGAGGAGATGAGCAGATCCTCAGTACCAAACTGG
 CAGAACAGTATGAATCATTTGTGAAGTTCACGCATGATCAGATCATGCGACGATATGGGACAAGGCCAAC
 AAGCTATGTATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215493 representing NM_001030054
 Red=Cloning site Green=Tags(s)

MACGATLKRPMFEAALLSPGSPKRRRCAPLPGPTPGLRPPDAEPPPFQMQTTPASLQQPAPPGSERRLP
 TPEQIFQNIKQENRYQRWRHLEVVLSSQSEACTSESQSPSSAL TAPSSPGAFWMKKDQPTFTLRQVGIIC
 ERLLKDYEDKVREEYEQILSTKLAEQYESFVKFTHDQIMRRYGRPTSYVS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001030054

ORF Size: 573 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001030054.1](#), [NP_001025225.1](#)

RefSeq Size: 2200 bp

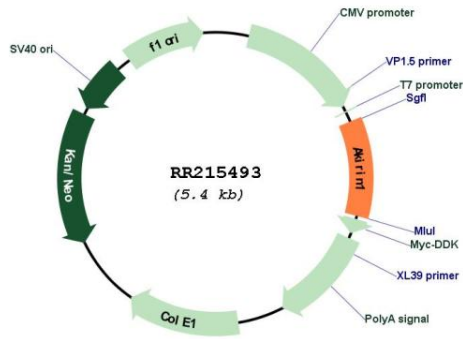
RefSeq ORF: 576 bp

Locus ID: 595134

Cytogenetics: 5q36

MW: 21.7 kDa

Product images:



Circular map for RR215493