

## Product datasheet for **RN204016**

### Akirin2 (NM\_001039914) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Akirin2 (NM\_001039914) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Akirin2  
**Synonyms:** FBI1; RGD1307791  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN204016 representing NM\_001039914  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGTGGGAGCCACTCTGAAAAGGACTCTGGATTCGACCCACTGCTTAGCCCGGCATCTCCGAAGC  
GGAGGCGGTGCGCGCCTTTGTCGGCACC GGCTTCGGCTGCCGCCTCCCTGCCCGCCTACCGCCCGC  
CGCTGCCTCTGCCGCGCCGCTTCGCCGAGAAGTATCTCCGGATGGAGCCTTCCCTTCGGCGACGTC  
TCCTCCCGTCTCACCACAGAACAATTCTGTACAACATAAAACAGGAATAAAACGTATGCAGAAGAGGA  
GACATTTAGAAGCTAGTTTTAGCAGACAGACCCAGGTTGTAGTTCCGATTCACAGCCACATGCATTTCT  
CATCAGTGGACCAGCATCACCAGGGACTTCATCTGCAACATCCTCACCATTAAAAAAGAACAGCCCTTA  
TTTACTCTAAGGCAGGTTGGGATGATCTGTGAACGTTTGTGAAAGAACGGGAAGAGAAGGTTCCGAGAAG  
AATATGAAGAAATACTGAACACAAAACCTGCAGAACAAATACGATGCATTTGTGAAGTTTACGCATGATCA  
GATAATGCGGCGATATGGAGAACAGCCTGCTAGTTATGTTTCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001039914  
**Insert Size:** 606 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001039914.2, NP_001035003.1</u>
<b>RefSeq Size:</b>	1480 bp
<b>RefSeq ORF:</b>	606 bp
<b>Locus ID:</b>	297968
<b>UniProt ID:</b>	<u>Q25C79</u>
<b>Cytogenetics:</b>	5q21
<b>Gene Summary:</b>	Required for the innate immune response. Downstream effector of the Toll-like receptor (TLR), TNF and IL-1 beta signaling pathways leading to the production of IL-6 (By similarity). Forms a complex with YWHAB that acts to repress transcription of DUSP1.[UniProtKB/Swiss-Prot Function]