

## Product datasheet for MC214975

### Akirin2 (NM\_001007589) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Akirin2 (NM_001007589) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Akirin2
Synonyms:	2700059D21Rik; AA114675; AA522011; Akirin-2; AU019887
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214975 representing NM_001007589 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCGTGCAGCCACTCTGAAAAGGACTCTGGATTCGACCCGCTGCTGAGCCCCGCATCTCCGAAGC  
GGAGGCGGTGCGCGCCTTTGTCGGCGCCGGCTTCGGCTGCCGCCTCCCTGCCGCCGCCACCGCCGCCG  
CGCCGCTCGGCCGCGCCGCTCGCCGAGAAGTATCTCGGATGGAGCCTTCCCCTTCGGCGACGTC  
TCTTCCCGCTCACCACAGAACAATTCTGTACAACATAAAACAGGAATATAAACGCATGCAGAAGAGAA  
GACATTTAGAAGCTAGTTTTAGCAGGCAGATCCAGTTGTAATCCGATTCACAGCCACATGCATTTCT  
CATCAGTGGACCAGCATACCAGGGACTTCATCTGCAACATCCTCACCATTAAGAAAGAACAGCCCTTA  
TTTACTCTAAGGCAGTTGGAATGATCTGTGAACGTTTGTGAAAGAACGGGAAGAGAAAGTTTCGAGAAG  
AATATGAAGAAATACTGAATACAAAACCTGCAGAACAAATATGATGCTTTTGTGAAGTTTACGCATGATCA  
GATAATGCGGCGATATGGAGAACAGCCTGCTAGTTATGTTTCA TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001007589
Insert Size:	606 bp



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<b>OTI Disclaimer:</b>	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).
<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_001007589.3, NP_001007590.2</u>
<b>RefSeq Size:</b>	1729 bp
<b>RefSeq ORF:</b>	606 bp
<b>Locus ID:</b>	433693
<b>UniProt ID:</b>	<u>B1AXD8</u>
<b>Cytogenetics:</b>	4 A5
<b>Gene Summary:</b>	Forms a complex with YWHAB that acts to repress transcription of DUSP1 (By similarity). Required for embryonic development and 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.[UniProtKB/Swiss-Prot Function]