

Product datasheet for **SC108391**

AKIRIN2 (NM_018064) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AKIRIN2 (NM_018064) Human Untagged Clone
Tag:	Tag Free
Symbol:	AKIRIN2
Synonyms:	C6orf166; dj486L4.2; FBI1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108391 sequence for NM_018064 edited (data generated by NextGen Sequencing)

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ATGGCGTGCGGAGCCACTCTGAAAAGGACTCTGGATTTGACCCGCTGTTGAGCCCGCG
TCCCCGAAGCGCAGGCGATGTGCGCCATTGTGCGCGCCACCTCGGCCGCTGCCTCCCCG
TTGTGCGGCGCCGCGGCCACCGCCCTCCTTCTCCGCTGCGGCCGCTCGCCGAGAAG
TATCTCCGAATGGAGCCATCCCCCTTCGGCGACGTCTCCTCCCGCCTCACCACAGAAACAA
ATTCTGTACAACATAAAACAAGAGTATAAACGAATGCAGAAGAGAAGACATTTAGAAACG
AGTTTCCAACAGACAGATCCGTGTTGACTTCTGATGCACAGCCACATGCATTTCTCCTC
AGTGGACCAGCTTACCAGGGACTTCATCTGCAGCATCCTCACCATTAAGAAAGAACAG
CCCTTATTTACTCTACGGCAGGTTGGGATGATCTGTGAACGTTTGTGAAAGAACGTGAA
GAGAAAGTTCGAGAAGAATATGAAGAAATATTGAACACAAAACCTGCAGAACAATATGAT
CGGTTTGTGAAGTTTACGCATGATCAAATAATGCGACGATATGGAGAACAGCCTGCTAGC
TATGTTTCATGA

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Clone variation with respect to NM_018064.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018064 unedited
 TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTTGGACGTGTTCCG
 CTTGGGTTCTGCTGCGGCAGCTACCTCGCAATCTCTCTGCATCGATCGCCGCTCGCAAG
 CTA CTGACCGTACTCGGGCGTATTAGGAGCCGCTTCCAGCCTCACACCCACGGTGCTG
 TTTTCGACTTCAGAAAGGATCTAGTCTCAGCACAGAAGCGCCTCAGGCGCGGCGCAAAGC
 TCGAGCGGACGGCGGGGGCGGCCGGAGCCTCTCTCGGGGAGCCGCGCCTGAGGAGGCGG
 AAGAACCCCTGACGCGACTGGCGTGTGCTTCTGCCCGCACCGCCCTCCCGCTCTCA
 CCGGGCCGTCCCTGGCCACTGCCCTGCCGCGAGGCAGCGGGCGCAGCGGCTCTCCTT
 TCCACAGCCGGCGCTCCGCGACCCGCTTGGCTCCTGAGCCCGTCGGGTAGGCTCTCCTCG
 AGTTCCCGCTCTTACCCTTCCCTCACCTCTTCTTTGTCACCCGTCGCCGACCCAC
 CCGAGCCCGGCGCTCAGCTGCCCGGCCATGGCGTGCAGGACTCTGAAAAGGACT
 CTGGATTCGACCCGCTGTTGAGCCCGCGTCCCGAAGCGCAGGCGATGTGCGCCATTG
 TCGGCGCCACCTCGGCCGCTGCCTCCCGTTGTGGCGGCCGCGCCACCGCGCTCC
 TTCTNCGCTGCGNCGCCTTGGCGAGAATATCTCCGAATGGAGCCATCCCCCTTCGGCG
 ACGTCTCTCCCGCTCACACAGAACAATTCTGTTACCATTAAACAGGAGTTTAAACG
 AATGCCGGAGAGTAGACATTTAGAAACGAGTTTCCACAGACAGATTTCGTGTTGACTTCT
 GATGCCAGCCCTGCATTTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018064 unedited
 TTCCGGGTTTATATAGTACCCTACTCAAAGCGTTGGGGCACAAACCTNTTTACTAAC
 CCCTCTGTACATTAANAAACAGCAAATAGAAGTTATGTTTTATTCTTCCAATAAATCC
 AGTACTACAAGGGCAGTAAAACAATGATACACTGGNAAAAAAAAAATGCAGCAATAAACA
 TTTGTTAAAAAGACTGATAGAATAAATAAACTACAAAAAAAAAAAAATCATACAAACC
 CATTCTGAAACCCCAAGAAGTCCTGGAATACAGAAATGCCCTCCTCCTTCACTATTTAC
 AGGAAGCACTGCAGGCTATTCGCTTAATATTGCCCTGGGATTACATTCTAAAATTAGTAA
 CTGTTACAGCTCGTTGTAGTGACAATTAATAACACTAACTTCATCTGAAGTGCA
 TTCTACAGCTTTATTTACACAACAGTGAAGGGCATGTTCTAGAATACCAGCTTTAACCC
 TTTTCAAACATTAATAAAGAAGCAAATTGTAATGATACAGCAAAATGAGGTCCTGGC
 ATTAATACAGGTAGCAAGGTCCACATTCAGGCGGCACTGACATCAAGGAAATTTCAAAA
 CCATTTGCTGCTGCCTAAAATGGTTTGCCTGCCCCAAAGCTTGAATAACTTGTATTTAC
 AGAAAGGGTATTGCCATCGCTGCATGTTCTAATTGCGAACTTTTGGCCACTCTACAAG
 GAACAAGGCAGCCCAAAAAGCTCGATTACTGATTAATGAAACATAACTACCAGGCTGCC
 TTCATATCGGTGCCCCTATTTGATCTTGCTTAAAATTCTCAAAAACCTCCTATTTGATC
 TGCCAGTTTTGCGTTCAATCTTTCTTTACTCTTCTCAAAATTTTCTTACCCTCTTT
 TAAAAATTTTCCACTCATTCTACCCCCCTAAAATACAACACGCCCTCTTTCTTTT
 TATG

Restriction Sites:

NotI-NotI

ACCN:

NM_018064

Insert Size:

1940 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).

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_018064.2](#), [NP_060534.1](#)

RefSeq Size: 1497 bp

RefSeq ORF: 612 bp

Locus ID: 55122

UniProt ID: [Q53H80](#)

Cytogenetics: 6q15

Gene Summary: 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. Forms a complex with YWHAB that acts to repress transcription of DUSP1 (By similarity).
[UniProtKB/Swiss-Prot Function]