

Product datasheet for **MC200202**

Akirin1 (NM_023423) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akirin1 (NM_023423) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Akirin1
Synonyms:	6330407G11Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003291 sequence for NM_023423
 TTCTTCCCCTCTGCCGGGCGGTGGCGCACGCCCGTGACGTACAGGAGGCGGGGCCAGCGCGGTGCCGG
 GTGCCGGAGGCGCCATTGGAGCCGGCTTGGCTTGGGAGCCGTAGCTGAAGAGTTGGATCCAGGGCAGTCC
 TTGCTGCCGCGTCTGCGTCTGGTCTCTGGCCCTTCCGCGGGATGGCGTGCGGGGCGACACTGAAGCGGCC
 CATGGAGTTCGAGGCGGCGCTGCTGAGCCCCGTTCCCGAAGCGGCGACGCTGCGCCCCCTGCCCGGC
 CCCACTCCGGGCTCAGGCCCCCGGACGCCGAGCCGCCCGCTTCCAGATGCAGACGCCGCCGCGAGCC
 TCCAGCAGCCTGCCCCACCCGGCAGCGAGCGTCTTCCAACCTCCCGAGCAAATTTTTCAGAACAATAAA
 ACAAGAATAATAATCGTTACCAGAGATGGAGACATTTAGAAGTTGTTCTCAGTCAAAGCGAAGCCTGTACT
 TCAGAAACTCAGCCTTCTCCTCGGCACTTACTGCACCAGGTTCTCCAGGTGCTTCTGGATGAAGAAGG
 ACCAGCCACCTTACCCTTCGACAAGTGGGATAATATGTGAGCGTCTCTTAAAAGACTATGAAGATAA
 AGTCCGAGAGGAGTATGAGCAAATCCTCAGTACCAAACCTCGCAGAACAGTATGAATCGTTTGTGAAATTC
 ACGCATGATCAGATCATGCGGCGATACGGGACAAGGCCAACAAGCTATGTATCCTGAAGCCTTCTTGCT
 ATCTGGGTACCAGGTGTGACCTCAAGAGATGGCTGCTGTACACTTTTTGCAACTGGTTTGATATCACATT
 TCAGCTCAAACCTTGCATCCTGAGAACACTTAAATGTTTCTGCAGGTCCATTTTATACAACTTGAAGAC
 CTTAAAACCTTCTGGTTGCCACAAGCATATCTTTCTTTCTGCTCATCCACTAAACAGCTGTGCCCTACT
 GTGATAGTTTTTCCAGACAAAGTACCTGGAACAGCAGTCTAGCAAAGAATGCCTTCAGTGGCACTCAACA
 CGTGGAGTCTCCCAAGCACAGCTCTGTGAGAAGTGTGAGTGTGTGCGTGTGTGTCTGTGTTTTAAGT
 TATTATTTGATTTGTGCAAAAAAAAAATTTTATGATCTTGGGGATTCTGGCTGTGAATTTGATGCACGACAA
 TTATGGTTAAAAACATTTTCTTGGTCTACAGAAGATCATTAAATGTTTGGTGACCATATAGTTTGTAAACAG
 TGGGTTGTTTTATTTGTAGGTATTATCGTTAAATACAGGGACTGTTTCCAGGCACAGAATTTGAAATGTAA
 GTTAAGATGGACATTAGATGTGATTATGATGATCTAGGGAAGGTCTGCAGTCTGAATCTGCAAAACAGT
 GGTGAGAAATTAGAACAAACTGGAGACAGGCTATCAGTACATGGACTCTGCCTAGCTGTGCTGAAAAAT
 ACTTTGACTCCAAGCCTTAAAAATCCTGTGGAGTCTGAGCTCACCTCATTATACAGTACCGGAGCTCC
 CTGAACGCTGAACCTTCTACAGGGAAGATCTCCCTGGAGCGGAAGATCAGGGTGTCTCGGAGCGTGT
 AACAAAGTGCGGGCTGGGCCAGGCTCACAGCACTGCTACCTGGGAGGAGCCGCTCACCTTCGCATCAGTT
 CCAACATAGAATCTGGACCCTTTGTCCAGGTTACCCCAAACCTCTCCTGAGGTGTCCGTGTTCAACCTTA
 GAGCTTGGTTTTGGCAATACCCTGCCTGAAGTTGCTTATTGGCTGTTCTCTGCCTTGGTCCCAAGGCTGT
 GAGCAGAAAGCAGCCTCTGTTTTGAGGAGGTGGGATTTAAGTATACATTTATTTTACTGTGACTTGTTC
 AGGACCACATTTACAAAATGCCTTGTTCCTTTACTGTTGTTTTGGAAAGGAAAGTTTTATGAAAAGT
 TTTTAGTTTGAATATAGAATAGTTATATTAATTACGGCTTTATTTTGGAAAAATCTTGAGTTTTAATTCA
 AATGTTTGTCTAATACCTTCCAAAGTAAGGTGATATTCAGAGACAGTTGTTGTGATCAGCTGGCTTCCGGA
 CATTTCTGGGGTATTACATTTGAAGATTCCTTATTAATGAATGTCTTTGACTTAAATCTAACCAAAAAC
 TGCAACATTATTCTTTGTACATTTTATTATATAGTGTTAACAAAGCTTAGTTGCAAACGAATAAAATACT
 TAAGCTATTTGTTTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_023423

Insert Size: 576 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:	<ol style="list-style-type: none">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:	BC003291 , AAH03291
RefSeq Size:	2271 bp
RefSeq ORF:	576 bp
Locus ID:	68050
UniProt ID:	Q99LF1
Cytogenetics:	4 D2.2
Gene Summary:	Functions as signal transducer for MSTN during skeletal muscle regeneration and myogenesis (PubMed:19406121, PubMed:18255059). May regulates chemotaxis of both macrophages and myoblasts by reorganising actin cytoskeleton, leading to more efficient lamellipodia formation via a PI3 kinase dependent pathway (PubMed:19406121).[UniProtKB/Swiss-Prot Function]