

Product datasheet for **MC203306**

Ak3 (NM_021299) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ak3 (NM_021299) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ak3
Synonyms:	AA407498; AI506714; AK-3; Ak3l; Ak3l1; Ak3l
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058191
 CCGCCCCGTTGCAGCTGCCAGCCCTCCAGGGCCGCGGAGCCTGTGAGCGCGCAGGCCAGGCCACAGACCA
 GCGTCTGCGCAGCTCGGACCACCGCCAGCCACCATGGGGGCGTCGGGGCGGCTGCTGCGCGCCGTGATCA
 TGGGGGCCCGGGCTCCGGCAAGGGCACCGTGTCTGACGCATCACAAACACTTCGAGCTGAAGCACCT
 CTCCAGCGGGGACCTGCTCCGCCAGAACATGCTGCAGGGCACAGAAATCGGTGTGTTGGCCAAGACTTTC
 ATTGACCAAGGAAAGCTGATCCCAGATGACGTCATGACTCGGCTGGCCCTTCACGAGCTCAAAACCCCTTA
 CCCAGTGTAGCTGGCTGTTGGATGGATTTCCAAGGACACTTCCACAGGCAGAAAGCCCTGGATAAAGTTTA
 TCAGATAGACACAGTGATAAATCTCAACGTGCCCTTTGAGGTCATTAAACAGCGCCTTACTGCTCGCTGG
 ATACATCCTGCCAGTGGTCGAGTATACAACATTGAATTC AACCCCTCCCAAGACTGTGGGCATTGATGACC
 TGACCGGAGAACCTCTGATTACGCGCGAGGATGACAAACCAGAGACAGTGATCAAGAGACTAAAGGCCTA
 TGAAGCCAGACAGAGCCGGTCTGCAGTATTACCAGAAAAAGGGGTGTTGAAACATTCTCTGGAACA
 GAAACCAACAAGATCTGGCCCCACGTATACTCCTTCTACAGACGAAAGTCCAGAAACTACCCAAAAGG
 CCTCTGTACTCCCTGAAGAGGGCAGCAACTGGCAGGATGAGGCAGGGCCTCCTCCTCTTCTTGCCCTC
 TGTATCTCAAAGCTCTTTTCTAAGACTTCTCTAAAAATTATGATTTATCCTAATGGCTAAGCCAAATG
 AGTCAGATACTTAGCCTGATCTGTTAAATAGCCTCACATGTTTAACTAGGACCTGGTTGTCTTCTGTG
 GACGTGCAATTGAAAAGCTCAGAGATGTTGAAACAACTAACTCGGAGAGCAACTGGTGACCATCTAAC
 CTTCTGTTTAGTCAAGTGGTTGATCACATTTTTCATGTTTTTCTGGAAAAGTTCAAAAAAATTTA
 CCATTC AAGGCAGATAAATAATCTCATTGAGGCTTTTCAATAAGCCAATGCCCACTGCAATTCAGGAAG
 ATGTTTTCTGGCCTGAAGGGATGTGGTATTAGAAGACACTGTCTATAGATTTAGAAAAGCAAGCAACAGG
 CTTTACAGATGTTAAATGTAACACTACTGCTACCTAACAGGAAAAGCCAAGGGAACAGGCCACCATGCT
 GTGTGCTCTACTTATCCAATCTGCTGTGAAAATGCAGCCACTGGCACGTAGGGACGTGTGACTTGGAT
 ATGGACCAAGGTGATGACTTAGGTTCTGACTGAAGTTCTAGGAGCAGCACTGGCACTGACAATGGCATT
 AAGTCTAAGTTCTCCCGTGTCACTCAGGGTGAGGACCAAGTTTAGGACCTACCCGTTGTTTCCCTCT
 TTGATCCAAGCGGACTGCCTGCCTTGATGAGCAAGACAGTAAACAGAAAATAAAGGGTGACACCCACACC
 CATGGGAATTTGCCACTCTGCAAGTAGACGGGACATGCTGGGACAGCCCCCAGCAGAAAGACTGACTA
 ATTCCACTACACAACAGGTGTAGTAATAGGATTTTGCATGGTGGGTTCAAAGCACTGTAAGGGAGTTCC
 CTTAAGAACATTATACCTGTGTTGAAGTTCTAAATTAAGATCCTCTTGCTCGGCCTCTCTCAAGTGCT
 GGGATCACTGTGTGCTACCCTCCACCCTAATTTAAGGGAAGCAATCTTCTGGTACCATCTAAGCA
 GCCTCCTCTTCTACTTACAGCAGTGGGATCCAACCAGCCTGAGTGTGGGAGGCATCCTATACTGTGGT
 TTATCTTACAGCCCTTCTGTTGCTGATGCTGGTGGTGGTGGCTCAGTTCTGTTGCTCTGACAGGATCTCA
 CTGTAGTTGACTGCCCTGAACTCTGTAGTCAGGCTGGCTTCAAACCTCAGAGCCATCACCTGTTTCTGCCT
 CCCAAGTCTGAAGTTAAAGGTGCGCACCACCACACTCAGGCTGGCTTTGGATTATTATATAGTCCA
 AACTGGCCTCACATTCCTCTTGGTTAGTCTCCTGAGTGCTTAAATTACAGGTGTGTACCCTAAA
 CCAACCCTAAGAAATCCATTTTAAATGTGAGTCACTTTAGATTTCTTAGTGGGGCAAGGACCTGCCTTA
 CATATTGTGGCCTGAAGGGACAAAATA TGAGAAGTTCAATGAAAAGATAATCCCCCTTTTCAGGAAAGAT
 GTTCTCTATTTTACTTGGTGCTAAATCAAAGAATCAAGCCTTTGTTCAAGCCTTTGCAATTTTGGCCTA
 TTTTATTTACAGAGCAAATGGTTGTTATATATTTGGGAGTGGGAAGGAATCTTTGATTTTTAAATTTCA
 CTGTTGATCTTTCAAATAGACTAGGCCTTAGGATTACAATGAACAACCTTTGTCCTTTGTCAACGTTTCTC
 TACTGCCTATTTGGATGTTGATAACCACTTCTACAACCTGTTGTGAATTACCTAAAGCTAGGACTGAT
 CTGCAGGTGATCTCAGCACTGTGGCTGTTGCCCTTTGCCCTGGCCCTTCAAAAACCCCATCCTGTCTG
 CTGCCACAATGTCTCACAGGCTCTTTCTAATAAATGGTCTTCAAACAGTAAAAAAAAAAAAAAAAAAAAA AAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_021299

Insert Size: 684 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:	<u>BC058191</u> , <u>AAH58191</u>
RefSeq Size:	2806 bp
RefSeq ORF:	684 bp
Locus ID:	56248
UniProt ID:	<u>Q9WTP7</u>
Cytogenetics:	19 C1
Gene Summary:	Involved in maintaining the homeostasis of cellular nucleotides by catalyzing the interconversion of nucleoside phosphates. Has GTP:AMP phosphotransferase and ITP:AMP phosphotransferase activities.[UniProtKB/Swiss-Prot Function]