

Product datasheet for **MC206322**

Cdkal1 (BC016073) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Cdkal1 (BC016073) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Cdkal1 |
| Synonyms: | RP23-202F3.2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC016073
 GGTTTTTTTCTCTCAGTTCGGACAGATTCATCTTTCAAGAGGACTTGAGACCAATTTTCAGAAAATCAAG
 ATGCCCTTCTGCGTCTTGTGATGTACTGTGGATGACATAGAAGATATCATATCACAGGAAGATTCAAAGC
 CACAGGACAGACAGTTCTCAAGAAAAGCATGTGTTTCTAAAGTACGAAGGCGGAATACCCAAAAATATTT
 GCAAGAAGAGCCCAGGCCACCAAGTGACAGCACTATTCCAGGCATACAGAAAATTTGGATCCGAACATGG
 GGCTGCTCACATAATAATTCGGATGGAGAATACATGGCTGGACAGCTTGTGCCTATGGCTATAAAAATTA
 CAGAGAATGCATCAGATGCAGATCTGTGGCTCCTGAACAGTTGTACTGTGAAAAATCCAGCTGAAGACCA
 CTTTAGAAAACCAATCAAAAAAGCTCAAGAAGAGAATAAGAAAAGTTGTCCTCGCTGGCTGTGTCCCAA
 GCCCAGCCTCGTCAGGACTACCTCAAAGGACTGAGCATCATCGGGGTTTCAGCAGATAGATCGTGTGGTAG
 AAGTTGTGGAGAAAACAATAAAAGGTCCTCAGTGAGGCTCCTGGGCCAGAAAGACAACGGGAAGCG
 CTTGGGTGGAGCTCGACTGGATTTGCCGAAGATCAGAAAGAATCCGCTGATAGAAATCATTTCCATCAAC
 ACGGGGTGTCTCAATGCTTGTACCTACTGCAAACTAAACACGCCAGAGGAAACCTGGCCAGCTATCCCA
 TTGATGAGCTTGTGGAGAGCCAAGCAATCCTTTCAAGAGGGTGTGTGAGATATGGCTGACCAGCGA
 GGACACCGGGGCTATGGCAGAGACATTGGCACAGATCTCCCACACTCCTGTGGAAGTTGGTGAAGTG
 ATTCCTGAGGGAGCCATGCTGAGGCTGGGCATGACAAATCCACCATATATTTAGAACATCTGGAGGAAA
 TGGCAAAAATCCTCAACCATCCCAGAGTCTACGCTTTCTCCACATCCCAGTGCAGTCCGCCTCTGACAG
 TGTGCTCATGGACATGAAGAGAGAGTACTGCGTGGCCGACTTCAAAGAGTCTGGGATTTTCTCAAGGAG
 AAGTTCTCGAAATAACGATTGCTACGGATATTATCTGTGGTTTTCTGGAGAAACCGATCAGGATTTTC
 AAGAAACAGTGAAACTTGTGAAGAGTACAAAATTTCCAAGCCTTTCATCAACCAGTTCTATCCAAGACC
 CGGAACCTCTGCTGCAAAAGCCGAGCAGTTCCAGCACATGTGAAAAACAAGGACAAAAGATCTTTCT
 CGGGTGTTCATTCTACAATCCATACGATCACAAGATTGGCGAAAGACAACAAGTGCTAGTCACTGAAG
 AGTCTTTTACTCCAAGTTTTATGTTGCTCATAACCGATTCTATGAGCAGGTTTTAGTACCAAAGAACC
 TGCATTCATGGGAAAAATGGTTGAAGTCGACATTTACGAATCAGGAAAGCACTTTTTGAAAGGACAGCCA
 GTATCAGAAACCAGAGTGTATACACCATCCATCAGCAAGCCACTGGCCAAGGGAGAAGTCTCAGGTTTTGA
 CAAAGGAATTCAGAAATAGGCTTGGGAATCATCAAACGGAACCTCAGACACCTGCTGCAACTCAGCA
 TGGCTCTGCGTATTCCAGAATGGTGTGAGATGTCCCAGTATGACTGCGCACTGAAGGTGGCTACAGGC
 CTGGCTCTCCTCGCTCTCTTTTGCATTTCTGGCCAGACTCTTTGCTTACAATGTAACCTAAGTAAAGCCT
 CCATAAGGAATAAGTTTCTAATTCAGTGGTCAACAAACAAGAGGACATCAACACCAGTTTTCAAGAGAC
 TGCCTTCTGAAGTACACACTGCCTTGTCTGGATCTCTTTTGAATGCCCTCACACTGAGCTGAGCCATC
 TGACCTCAGACCAGATCACAGTTTCTGAACATGTCTTTCTCATCAAACCTCCTCAGACTTCTTCTAACA
 ACAATAACAAGTGGTGGGTTTTTGGTGGTTTTTGGTTTTTTTTTGGTTTTTGGTTTTTGGTTTTTGGTT
 TTTTGGTTTTGGTTTTTTTTTTTTTTGTCTCCAGTCATTGAATCCCAGCCTAAGTGACAGAGGCTCTGCC
 TATTCGTGGCTCTGGCCATCCTTTCTTGTGTGGAAGAATCCAGCCCTTAATAAACATTCTCCCGGCT
 GTGTTTGGAGTCCCGTGTCTACAAACATCTTTTTCACAGCAGATGTGTTCTAAAAGTTTATATAGAAA
 CCTATTTTGGAACTTGGACCCAAGTCCACCCTTAAAGGACTCTTCTGGCGTTCTAGAAAATGTGAAG
 ATTCCATGCTGTGGCACCCACAACTTTCAAACAAACCATGATCCTTTCTGACACACCAGGAGGCAT
 GTTACATTTATCATTTTGAACCAACACCAGCCGCTTTACTAAATGAAATGACTTCTTTCACAATAA
 ACAGAATTGGTACAATAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC016073

Insert Size: 1737 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: [BC016073](#), [AAH16073](#)

RefSeq Size: 2551 bp

RefSeq ORF: 1737 bp

Locus ID: 68916

Cytogenetics: 13 A3.1-A3.2

Gene Summary: Catalyzes the methylthiolation of N6-threonylcarbamoyladenosine (t(6)A), leading to the formation of 2-methylthio-N6-threonylcarbamoyladenosine (ms(2)t(6)A) at position 37 in tRNAs that read codons beginning with adenine.[UniProtKB/Swiss-Prot Function]