

Product datasheet for **MC205376**

Cacul1 (NM_030197) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cacul1 (NM_030197) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cacul1
Synonyms:	2700078E11Rik; 2810417M16Rik; 9830127L17Rik; AI450346; D130033C15Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026363
 CCCACGCGTCCGGAAGAACTGCTGTA AAAATGTCGTGAGGGACGT CAGCCCTTTGCGGCTGCCTCTCAGA
 ACCAGACCCCGGGAGTGCCACCTCAGTCAGCGGTTCTCCGCGGAGTCGTCTTGACGGAGGGCGAAAAG
 CGCTCGGTGCGCCACTGGATTTTCCGCCGACCCGCGAGGGCTCCGGGCGATGTGAACTCGAGGCGGCTT
 CTGCGCTCCCAGGCCCGGGGCTGAGGTGGCGGGCAGGTGCCTGGGAAGCCGCGCCCGCGGGATGGA
 GGAGAGCATGGAGGAGGAGAAAATGCTCACCTACGAGGCAATGATGGACGACCAGAATCACAACTGG
 GAGGCCGCGCGGACAGTTTCCGCCAGCCTCCGCCGCGCCGCTGCCCGCCGCGCGCGCGCGGCTC
 CCTCGTCCATCCCGGATCCAGGCCGAGA ACTCCCGGGGGACAGCTGCTGGCTGTGCACGCGGGCTC
 CATGGAGAGGAAGGGTCTTAAGGAAGGGCTCCCGATGGGGCTCCGCCCTTGCCGGAACCAACGGGGTG
 ATCATGATGTTGAAGAGCTGCGACGCGAGCCGCGGTGGCCAAGACGGCCCTGCCCCACCTCCAGCT
 CCACTATCAACATCAACACCTCCACCTCAAGTTCCTAATGAATGTTATAACAATTGAAGATTATAAGAG
 CACATACTGGCCAAAATTAGATGGTGCCATAGATCAACTTTTAACCCAGAGTCCTGGTGACTATATACT
 ATATCCTATGAACAGATTTACAGTTGTGTGATAAGTGTGTGTGCCAGCAGCACTCAGAACAGATGTACA
 GTGATCTGATTA AAAAAATAACCCAGCCACTTAGAGCGAGTCTCCAAGGAGCTGCAGGCCAGCCCTCCAGA
 CCTCTATATTGAAAGATTTAATATAGCTCTGGGACAGTATATGGGAGCATTGCAGAGCATCGTGCCTCTT
 TTCATATATATGAATAAGTTTTACATAGAACTAAGCTTAACAGAGACTTAAAAGATGACCTTATAAAAC
 TGTTTACGGAACATGTTGCAGAGAAGCACATTTACAGCCTAATGCCTTTACTTTTAGAAGCCAGTCAAC
 ACCATTTACAGTACACCTTCAACTATGGCAAATATTGTGAAAGGCTGTACTCTCAGACCAGAATGG
 GTTCAGATGGCTCCGACATTGTTTTCTAAGTTTATTCCAAACATCTTCCCGGCTGTGGAATCTGAAC
 TTTCTGAGTACGTGCCAAGATCAAAAGCTTCAAAGAGA ACTTATACAGAACGGTTTTACCAGAGGTGA
 TCAGTCCCGGAAGAGAGCTGGAGATGAGTTGGCTTATAACAGTCCATCTGCTTGTCAAGTTCAGAGGG
 TATAGATAGTGTGTTGAACTATGTTTCTCCCAAGAGAAGACACTGGAGCTACAGAACTGTTCCAG
 GCACAGTGAGGCTGCACCACTCAGGAGCTGTCAAAGGCTGTTCTCAGAGAGGATACCGGACTTCTTT
 CTTTGATTTTTAGTTTTTAAAAACAAGAACTAACAAAAACAATTGCTGCTAGACTGGGGGTGATTATG
 AAATGGGACAATCTTTTATCTACAGAGCAAGTGTCTTGGAGAGTGGCCGTTGATAAAGTGAAGCTCAATG
 TTTGAATCAGCTTCTCCAGAAATACAAGAACAAAAGAATCTTTTTGTTTTGTTTTGTTTTGTTTTGTTT
 TTTTTAAAGCACTCATCTTGTTCATTTGTGGACTTGAACATGGTGTCTCATGTCAAGATATCTTTGCT
 TAAAACCAAGCAGATATTATAATACAGTGTTCACCCATGCCCAACAATCTGTTTTAAATTCAGATT
 GGTCTGTGTTTAGCAGTTAGCCTTGTGGAGAAAATGCTAATAACTGCTTTTACTATTTCTTTCCCTATT
 AATTCCTGTTTTCAACTGTGTGCCTTGAGCTTTGTGCACTTGCAGCTATGTGACCATGCATCAATCTC
 ACGATGCTTCTGAAGAAGTTGATGTCTCAGACCGGCTACCAAAGCCTCTGGTATGGCTTTGTGTTTGT
 AGCAGAACCTGATTGAGAAAATGGAAGCACTAGAGGCTGGT CAGAATTTACCCTGCTGTCCAGCTCTCA
 TGGGGACCAACTTTACTGAGTGGTTTCCATTCTGCTACTGCCTCACCCGATATCAGCCTCGAGTGGAGT
 GGAGCCCTGGTTTCAGGCTATGATACTGTAGAGACTGCCAACAGTGGGAGCTACTCCCTGGATCCCTCTT
 GGGCGGAGTAGTTTTAAAGCCAAGTATGGTGAATAGTTCTTGGCCCATCTATTTAATGGGTGCATTT
 AATACATATAAAAGGTCAGCTCCACTCTGTATCTTGTAAACATCATGTTTGATATTTGAATGCACCAGGG
 AGAGTGTGCTGTTTGAAGGCTCCGGTAAAGCTATATTACCTGTTTCGCTACACCAACAGTGAACAAAAC
 AACAGTTCTTCGCAAAAAGTCTGAAGCTTATTTAGTTGTGTCTCAATAATAACAAAACACTAGACATGGCAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_030197
- Insert Size:** 1134 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: [BC026363](#), [AAH26363](#)

RefSeq Size: 2619 bp

RefSeq ORF: 1134 bp

Locus ID: 78832

UniProt ID: [Q8R0X2](#)

Cytogenetics: 19 D3

Gene Summary: Cell cycle associated protein capable of promoting cell proliferation through the activation of CDK2 at the G1/S phase transition.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).