

Product datasheet for **MC203038**

Cdk2ap2 (NM_026373) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk2ap2 (NM_026373) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdk2ap2
Synonyms:	5830466O21 Rik; D19ErtD144e; Doc-1r
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC025656 CCACGCGTCCGCCACGCGTCCGCCACGCGTCCGGTTGGGATGTCTACAAACCTATCGCGCCCGCCC CAGCAGTACCCCGGGCTCCAGCACCCCGGGCCAGGCACCCCGTCCCTACAGCCGGAGTGTCCTCCATCG CCATCGGGCTCAGTGCCAGGAGCTGCCGCACCTTTCAGACCGCTGTTAACGACTTTGGTCCGCCCTCCA TGGGGTATGTACAGGCGATGAAGCCACCTGGTCCAGGGCTCTCAGAGCACCTACACGGACCTGTGTG TGTATAGAGGAGATGGGCAAAGAGATCCGGCCACCTATGCTGGTAGCAAGAGTGCCATGGAGCGCCTG AAGAGAGGCATCATCCACGCTCGGGCACTAGTCAGAGAGTGCTTGGCAGAGACAGAACGCAATGCCCGCA CGTAACAGGAAGCACCTTGACCTCCTCGCCGGGACCTTCTGGCCACTGCAGAGCGCCTGCTTCTCCCTG GCCTTCGCGCCCAAGTTGCTTCTATCCTGGGCTTCTGTCTGTCCCTTAGTGGGCACCTCCAGG AACCAGGTAGCAGATCTTCGTCCAGTTGGCTGTACAACTGGTCTCCTCCTCTGTGGGAGTGTGGGAG GCCACTGGGAGTCCCTTCCATGACCTGCTCACAGTGCTGATCTGACGGGAGCTTGTCTCTCTGTGGCC CCACCACAGCACTTACTCCTTAACCTTAGCCAGGCCACCTCCTGCCTTTAACAGGAGTGCAGAA GACCTTCTGCTCATCTCTGGGGCCACAGCCGACTCTTTTTTGGTGTGCTTTTACTAAATATGTCCT TTTTGTATAAATAAAGATGCTTTGGAGTCATTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_026373
Insert Size:	384 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).



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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: [BC025656](#), [AAH25656](#)

RefSeq Size: 924 bp

RefSeq ORF: 384 bp

Locus ID: 52004

UniProt ID: [Q9CPY4](#)

Cytogenetics: 19 A

Gene Summary: Plays a role in regulating the self-renewal of embryonic stem cells (ESCs) and in maintaining cell survival during terminal differentiation of ESCs (PubMed:22548356). Regulates microtubule organization of metaphase II oocytes (PubMed:12944431). Inhibits cell cycle G1/S phase transition by repressing CDK2 expression and activation; represses CDK2 activation by inhibiting its interaction with cyclin E and A (By similarity).[UniProtKB/Swiss-Prot Function]