

Product datasheet for **MC206331**

Ccrk (BC031907) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccrk (BC031907) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccrk
Synonyms:	PNQLARE, MGC38901, CDCH, p42
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC031907
TGCTGGATCCCTGTAGAGTAGGATCTGGGCACCGCGGGCCGACATGGACCAGTATTGCATCCTCGGTGCG
ATCGGGGAGGGCGCCACGGCATCGTCTTCAAAGCCAAGCACGTAGAGACTGGCGAGATCGTTGCCCTCA
AGAAGGTGGCCTTGCGGCGGCTGGAGGATGGTATTCTAACCCAGGCCCTCAGAGAAATCAAGGCTGTGCA
GGAGATAGAGGACAGTCAATATGTGGTGCAGCTGAAGGCTGTGTCCCACATGGTGCGGGCTTTGTGCTG
GCTTTTCAATTTATGCTGTGGACCTGGCAGAGGTGGTGCGCCATGCCAGAGGCCCTGGCCCCAGCAC
AAGTCAAGAGCTACCTGCAGATGCTGCTCAAAGGTGTTGCGTTTTGCCATGCCAACAAACATTGTGCATCG
GGACCTGAAGCCTGCTAACCTGCTCATCAGTGCCTCAGGCCAGCTCAAGATAGCTGACTTTGGCCTGGCC
CGGGTCTTCTCTCCGGATGGTGGTGCCTCTACACACATCAGGTGGCCACCAGGTGGTACCAGCTCCTG
AACTCCTGTATGGCGCTCGGCAGTATGACCAGGGCGTTGACCTATGGGCTGTGGCTGCATCATGGGAGA
GCTGTTGAATGGGTCCCCCTGTTCCCGGGCGAAAACGACATTGAACAACGTGCTGTGTGCTTCGCATC
CTGGGTACCCCGAGTCTCGAGTCTGGCCGAGATCACAGAGTGCCTGACTACAACAAGATCTCCTTCA
AGGAGCAGGCACCAGTCCCCTGGAGGAGGTGCTGCCTGATGCCTCTCCCAGGCCCTTGACCTGCTGGG
CCAGTTCTCTCTACCTCCACGACAGCGTATTGCAGCCTCCCAGGCCCTTCTGCATCAGTACTTCTTC
ACAGCGCCTCTGCCTGCCATCCATCCGAGCTGCCAATTCCTCAGCGCCAGGGGACCTGCACCCAAGG
CTACCCAGGGCCCCCATGTCCACGACTTCCATGTGGATCGACCTCTTGAGGAGTCACTGTTGAACCC
AGAAGTATTGCGCCCTTCAATCCAGAGGGGTGAGATGCTGGTCCAGGCCCTTCTGCTCGCCCTAGGAGC
ACCTCTTTCTGATTTGCCTCCATGGCCTCCCCACGGCTATATATACCACACCTGGTCTGCTCCTTAGTG
TGCTTGAGGGCTGGGCTCTGGGAGGCAGAACCGTGAGATGTTCCATCCCAGCAGAGAAAGAGACTCACGTC
CTACAGACAAAGCCTCCAGAAATGCTAGCTGTGCTCTTCCAGGGCCACCCCTCAGTGGTGCCACCCG
GCCTTAGAGATGATTGTGAGGCTCTGTCCCCTTCAAGGACATTGGTACTACAGACCACCTGGTGAA
GCACAGAGTATAAGCTGTCTTACATACCGGGGACACAGCTGGGAAGTCAGACATGTTTTAGTTTTGGTCC
ACTGGGTCAGGATTTGAGGTTTCAATAAAAGCCCTGGGTGTTTCTGCTAATTGCACCTGTCTGTTGCT
GTTAGGGAAAGGACAATGGTGGCCTTGATTACAGGGGTCAGGTAAGTACTCAGAAGAGGCCCTCTGTGAAGG
CCATTTGGGTCCTCAGGCTTCCATGCTATTACGCGGACTTGAGTGTCTATTTGGGAGCGAGAGTCCAGA
AGCTGAGGCCAGGGATGGACAGTCCAGTTCGGAAGCACACTTCCCACATGTCGGGTGGGTCAGTCAGT
GAGCCTGAGGCTGCCTTGAGATGCGGAAGCAGACATTCTGGAATCCACTCAGTAAATAAATTCCAGTG
TGACTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC031907

Insert Size: 1041 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: [BC031907](#), [AAH31907](#)

RefSeq Size: 1854 bp

RefSeq ORF: 1041 bp

Locus ID: 105278

Cytogenetics: 13 B3

Gene Summary: Involved in cell growth. Activates CDK2, a kinase involved in the control of the cell cycle, by phosphorylating residue 'Thr-160' (By similarity). Required for high-level Shh responses in the developing neural tube. Together with TBC1D32, controls the structure of the primary cilium by coordinating assembly of the ciliary membrane and axoneme, allowing GLI2 to be properly activated in response to SHH signaling.[UniProtKB/Swiss-Prot Function]