

Product datasheet for MR204529

Bccip (NM_025392) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bccip (NM_025392) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bccip
Synonyms:	1110013J05Rik; TOK-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204529 representing NM_025392 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCTAAGGCTAAGAAGCGAGCGGTGGGAAATGGAATTCAGCGGCCGCTGGGAGCCCCGGCCAGC
GGGAGGAGGAAGAAGAAGAGGATGAGGTGGAGGATGAGGAAGAAGACGAGGACGACAGTGACGAAGA
AGAGGATGAAGTTGACGAAATCGTGGACGAGGAAGTGAATATTGAGTTTGAAGCCTATTCATCTCAGAT
AACGATTATGGCGGAATTAAGAAATTAAGCAACAGCTTTTTCTAAAAGCCCCGTGAACACTGCCGAGC
TGACGAATCTCCTGATGCAGCAGAACCACATTGGGAGTGTGATTAAGCAAACAGATGTTTCAGAAGACAG
TGATGATGAAGTGGATGAAGATGAGATCTTTGGCTTCATAAGCCTTTAAATTTGACTGAAAGAAAGGGG
ACTCAGTGTGCTGAACAAATTAAGAGTTGTTTCTAAGCTTCTGTGAGAAGACCTGTGAGCAGAGCATGG
TTGAACAGCTGGACAAGCTTTTGAATGACACCAGCAAGCCTGTGGCCTTCTGCTAAGTGAAGATTTCAT
TAACGTCCTCCACAGATTGCCCTGCCATGCACCAGCAGCTCCAGAAAGAACTGTCTGAGGCGCGAAGA
ACCAACAAGCCATGTGGAAATGCTGCTTCTACCTGCTGATTAGTAAGACATTTATGGAAGCAGGAAAGT
CCAGTTCAGAAAGAGGCAGGACAGCCTTCAGCAGGGGGCACTGATGTTTGCAAATGCAGAGGAAGATT
CTTCTATGAGAAGGCAATCTTGAAGTTCACTACTCGGTGCAGGGGGAGAGCGCACTCGTCTGGGAGGC
AGATGGTCCTTCGATGATGTTCCGATGACGCCTTTGCGGACTGTGATGGTAATTCAGACGACAGGATGA
ATGAGATCATGGAAACCTGAAAGACCATCTCTCCGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204529 representing NM_025392
 Red=Cloning site Green=Tags(s)

MASKAKKRAVNGIQRPLGAPGQREEEEEEEDEVEDEEEDDSDEEEDEVEIVDEEVNIEFEAYSISD
 NDYGGIKLLQLFLKAPVNTAELTNLLMQQNHIGSVIKQTDVSESDDEVEDEIFGFISLLNLTERKG
 TQCAEQIKELVLSFCEKTCESMVEQLDKLLNDTSKPVGLLLSERFINVPPQIALPMHQQLQKELSEARR
 TNKPCGKCCFYLLISKTFMEAGKSSSRKRQDSLQQGALMFANAEFFFYEKAILKFSYSVQGESDTRLGG
 RWSFDDVPMTPLRVTVMVIPDDRMNEIMETLKDHLVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9045_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025392

ORF Size: 948 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_025392.2](#), [NP_079668.2](#)

RefSeq Size: 1260 bp

RefSeq ORF: 951 bp

Locus ID: 66165

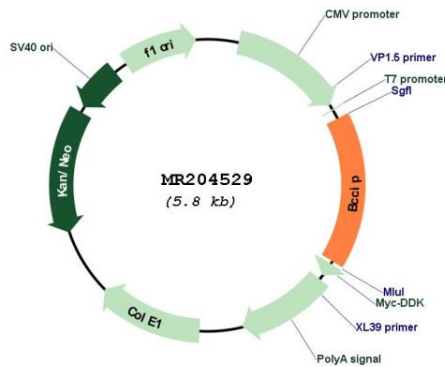
UniProt ID: [Q9CWI3](#)

Cytogenetics: 7 F3

MW: 36.4 kDa

Gene Summary: During interphase, required for microtubule organizing and anchoring activities. During mitosis, required for the organization and stabilization of the spindle pole (PubMed:28394342). May promote cell cycle arrest by enhancing the inhibition of CDK2 activity by CDKN1A. May be required for repair of DNA damage by homologous recombination in conjunction with BRCA2. May not be involved in non-homologous end joining (NHEJ) (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204529