

## Product datasheet for **RC203061**

### **BCCIP (NM\_078468) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BCCIP (NM_078468) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BCCIP
Synonyms:	TOK-1; TOK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203061 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTCCAGGTCTAAGCGGCGTGCCGTGAAAGTGGGGTTCGCGAGCCCGGATCCCCAGTCCAGC  
GCGACGAGGAAGAGGAAAAAGAAGTCGAAAATGAGGATGAAGACGATGATGACAGTGACAAGAAAAAGGA  
TGAAGAGGACGAGGTCATTGACGAGGAAGTGAATATTGAATTTGAAGCTTATCCCTATCAGATAATGAT  
TATGACGGAATTAAGAAATTACTGCAGCAGCTTTTTCTAAAGGCTCCTGTGAACACTGCAGAATAACAG  
ATCTCTTAATTCACAGAACCATTGGGAGTGTGATTAAGCAAACGGATGTTTCAGAAGACAGCAATGA  
TGATATGGATGAAGATGAGGTTTTGGTTTCATAAGCCTTTAAATTTAACTGAAAGAAAGGTACCCAG  
TGTGTTGAACAAATTCAGAGTTGGTTCTACGCTTCTGTGAGAAGAACTGTGAAAAGAGCATGGTTGAAC  
AGCTGGACAAGTTTTAAATGACACCACCAAGCCTGTGGGCTTCTCCTAAGTAAAAGATTCAATATGT  
CCCTCCACAGATCGCTCTGCCCATGTACCAGCAGCTTCAGAAAGAACTGGCGGGGCACACAGAACCAAT  
AAGCCATGTGGGAAGTGTACTTTTACCTTCTGATTAGTAAGACATTTGTGGAAGCAGAAAAACAATT  
CCAAAAAGAAACCTAGCAACAAAAAGAAAGCTGCGTTAATGTTTGCAAAATGCAGAGGAAGAATTTTCTA  
TGAGAAGGCAATTCTCAAGTTCAACTACTCAGTGCAGGAGGAGAGCGACACTTGTCTGGGAGGCAATGG  
TCTTTTGTGACGTACCAATGACGCCCTTGCGAAGTGTGATGTTAATCCAGGCGACAAGATGAACGAAA  
TCATGGATAAACTGAAAGAATATCTATCTGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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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:** [NM\\_078468.3](#)

**RefSeq Size:** 1261 bp

**RefSeq ORF:** 945 bp

**Locus ID:** 56647

**UniProt ID:** [Q9P287](#)

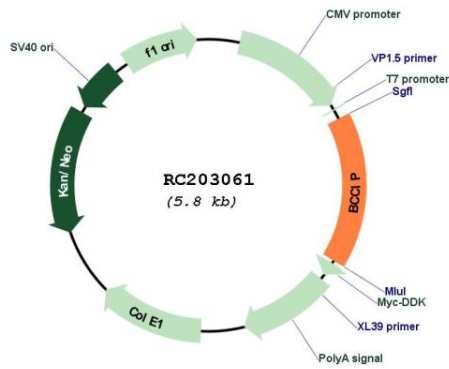
**Cytogenetics:** 10q26.2

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

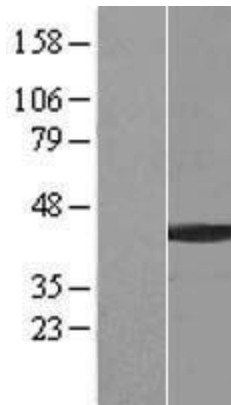
**MW:** 36.1 kDa

**Gene Summary:** This gene product was isolated on the basis of its interaction with BRCA2 and p21 proteins. It is an evolutionarily conserved nuclear protein with multiple interacting domains. The N-terminal half shares moderate homology with regions of calmodulin and M-calpain, suggesting that it may also bind calcium. Functional studies indicate that this protein may be an important cofactor for BRCA2 in tumor suppression, and a modulator of CDK2 kinase activity via p21. This protein has also been implicated in the regulation of BRCA2 and RAD51 nuclear focus formation, double-strand break-induced homologous recombination, and cell cycle progression. Multiple transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

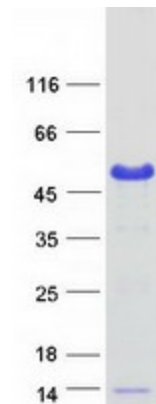
Product images:



Circular map for RC203061



Western blot validation of overexpression lysate (Cat# [LY409214]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203061 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BCCIP protein (Cat# [TP303061]). The protein was produced from HEK293T cells transfected with BCCIP cDNA clone (Cat# RC203061) using MegaTran 2.0 (Cat# [TT210002]).