

## Product datasheet for **SC203821**

### **BCCIP (NM\_078468) Human 3' UTR Clone**

#### **Product data:**

<b>Product Type:</b>	3' UTR Clones
<b>Product Name:</b>	BCCIP (NM_078468) Human 3' UTR Clone
<b>Vector:</b>	pMirTarget (PS100062)
<b>Symbol:</b>	BCCIP
<b>Synonyms:</b>	TOK-1; TOK1
<b>ACCN:</b>	NM_078468
<b>Insert Size:</b>	307 bp
<b>Insert Sequence:</b>	>SC203821 3'UTR clone of NM_078468 The sequence shown below is from the reference sequence of NM_078468. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCA <b>ACGATCGCC</b> GATAAACTGAAAGAATATCTATCTGTCT <b>TA</b> CCCATTTCCAATGGACAGTGATGGCTTGTTTTTGTAAA ATTACCAGAAAACCTCAGTGGAGATTTACTGAAAACTCAGACTTTATTCAGATTAAGTTCCTCTACAAA AAGTAGGTTCTGTCCCATGTGTCTCTGACACATTTACAAAATACCAGTTTTTTAAAATTTGGTCAAA TTATGAGTGGTTGATTTAAAACTTTTCCAAGAAGAAGAAAAGCATGGAGTAGTAATTTAAGAACTCA ATAAAAACTTCTATTTTTTATTTTAAAAATAA <b>ACGCGT</b> AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
<b>Restriction Sites:</b>	Sgfl-MluI
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<u><a href="#">NM_078468.3</a></u>



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**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]

**Locus ID:**

56647

**MW:**

12