

## Product datasheet for **SC214764**

### **BCCIP (NM\_078469) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	BCCIP (NM_078469) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	BCCIP
Synonyms:	TOK-1; TOK1
ACCN:	NM_078469
Insert Size:	1473 bp



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**Insert Sequence:** >SC214764 3'UTR clone of NM\_078469  
The sequence shown below is from the reference sequence of NM\_078469. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGTTGGTCTGTTCCCCAGTATTAGAAATAATTAACATACAAGCCAGGATGAATGAAGCCAATAGGA
AATAAAAAACAGGCACACAACTATTTGGGAAAAACCTCTAGTGACACATTTTCTCATCTGCAC
TGATTATTTAGCAAAAGAAATCTAGTATGTTTTCATACATCTGATGTATAAATTTGCTGAACCTTGAG
TTAGTTTTCTTAAGATAATTTTTCATATTAAGAAAATTTTCTTTTCTAACCTATTAATAACCTCACT
ATCATTTCAAAGGTTAAATGAGTTGATCACTATCTCTGCTCTGTGCTCCTCAAATATAATTTCAAAT
GGATCCGATCTAAATCTATACCTAGTGCAGATTTGCAAAAAAGAAAAGGAATAGCATTAAAGGATACC
TGTTACCATGGCTGCGATTGTTAGCACTTCATCTACACAGTCAAATTCACAGGACGCTAAGATAGACTT
CGAGAGTTGTGGATCAAGAGGAACTCTGACATGATGATTCCAAATTCAGAAAGATTTCCATCATTATC
CAGTGCTGCCAGATAATCTAAGTCTTCCAATGCCTGCATCAAACCTTTCTGGTGCTAGGAAAGGAAAAA
ATAATAATTTAAGAGTCTCATATGGCTAAGATGGAGAAACAGGTAAGTGGACTTTTCCCTCCTGCATGAA
ACAAGCAAACAATGGACAAAATATGTGAAACAACGGTTTGAAGCCACCAATACCAAGGAGTGAAGGA
TAGTGATTCTTGAGAGGGCAAACCTCAGGAGGGGAGCCCTGTGATTGTCCAGCTCATGCTCCGAGGAGGG
TCCCAGCTGCAGTGTGCATGCGGGGGAACCCAGGTGGAGCCTGCCAGCCTCCCTGCAGTAGGAAAAACA
ATGCCAGGGATCCAGGGAGACTAAGGTGGCCGGAACCTCGCGGTACAGTACTGGAGAGAGACACACAGA
TCTAAGTCGGGGCCAGAGGGAGCTCCCTCAACTAGGCAGCACAGCCCTACTGATCAGCGCATGTGTGT
AAGGAACCACCTCAGGCCAGAGAAAGAGCCATGTGAGAAGATTAGAAGGAACAGTGGTGTGACACAGG
ACCTAGGGTAGGGCCTGTTCCCACCACCTAGCTGGAAAACCTCATGATTATGGGGCACTGGGTAGAA
AACACAAGTGAGAAACCCTAGATGGGCACTGCCACCTGACACAGCTATACAGCAGGACCTGAAAGGATC
ACACTGCATCCTAGGACAAAGCTCAAAGTACCTCTGGGACTACAAAAATATTCAGTGCCCAAGAAGGT
AAAATGTACAATGTCTAGCATCCAGTAGAGAGGCATGAAAAGCAGGAAAAATACATTGCATAATACAGAG
AAAAATTAATCACAAGTACCTGGATCTCAGATGCTAGAAATAGTAGACAAAGATGTTATTTCCAGTG
CAAATAAAGAAATAAAGATAGCAA
ACGCGTAAGCGCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** 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).

**Components:** 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.

**RefSeq:** [NM\\_078469.3](#)

**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:** 56.6