

Product datasheet for **SC110584**

BCCIP (NM_078469) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BCCIP (NM_078469) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCCIP
Synonyms:	TOK-1; TOK1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_078469, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTCCAGGTCTAAGCGCGTGCCGTGGAAAGTGGGGTTCGCAGCCGCCGGATCCCCAGTCCAGC
GCGACGAGGAAGAGGAAAAAGAAGTCGAAAATGAGGATGAAGACGATGATGACAGTGACAAGAAAAGGA
TGAAGAGGACGAGGTCATTGACGAGGAAGTGAATATTGAATTTGAAGCTTATCCCTATCAGATAATGAT
TATGACGGAATTAAGAAATTAAGTGCAGCAGCTTTTTCTAAAGGCTCCTGTGAACACTGCAGAACTAACAG
ATCTCTTAATTCAACAGAACCATTGGGAGTGTGATTAAGCAAACGGATGTTTCAGAAGACAGCAATGA
TGATATGGATGAAGATGAGGTTTTGGTTTCATAAGCCTTTAAATTTAACTGAAAGAAAGGGTACCCAG
TGTGTTGAACAAATCAAGAGTTGGTTCTACGCTTCTGTGAGAAGAACTGTGAAAAGAGCATGGTTGAAC
AGCTGGACAAGTTTTAAATGACACCACCAAGCCTGTGGCCTTCTCCTAAGTAAAAGATTCAATTAATGT
CCCTCCACAGATCGCTCTGCCCATGTACCAGCAGCTTCAGAAAAGAACTGGCGGGGGCACACAGAACCAAT
AAGCCATGTGGGAAGTGCTACTTTTACCTTCTGATTAGTAAGACATTTGTGGAAGCAGGAAAAACAATT
CCAAAAAGAAACCTAGCAACAAAAAGAAAGCTGCGTTAATGTTTGCAAAATGCAGAGGAAGAATTTTTCTA
TGAGGAGCAGGGAAAACCTGAGGTGCTTGGAGGTCCAGACACAAGAAGAGGATTGGAACCAAGTCCGATA
CAGCACAATGGTTGGTCTGTTCCCCAGTATTAGAATAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_078469 unedited CAGAATTTTGTAAACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCAACATGG CGTCCAGGTCTAAGCGCGTGCCGTGGAAAGTGGGGTTCCGCAGCCGCCGATCCCCAG TCCAGCGCGACGAGGAAGAGGAAAAAGTCAAAAATGAGGATGAAGACGATGATGACA GTGACAAGGAAAAGGATGAAGAGGACGAGGTCATTGACGAGGAAGTGAATATTGAATTTG AAGCTTATCCCTATCAGATAATGATTATGACGGAATTAAGAAATTAAGTGCAGCAGCTTT TTCTAAAGGCTCCTGTGAACACTGCAGAACTAACAGATCTCTTAATTCAACAGAACCATA TTGGGAGTGTGATTAAGCAAACGGATGTTTCAGAAGACAGCAATGATGATGGATGAAG ATGAGGTTTTTGGTTTCATAAGCCTTTTAAATTTAACTGAAAGAAAGGGTACCCAGTGTG TTGAACAAATTCAAGAGTTGGTTCTACGCTTCTGTGAGAAGAACTGTGAAAAGAGCATGG TTGAACAGCTGGACAAGTTTTTAAATGACACCACCAAGCCTGTGGCCTTCTCCTAAGTG AAAGATTCATTAATGTCCCTCCACAGATCGCTCTGCCATGTACCAGCAGCTTCAGAAAG AACTGGCGNGGCACACAGAACCAATAAGCCATGTGGAAAGTGTACTTTTACCTTCTGA TTAGTAAGACATTTGTGAAGCANGANAAAACAATCCAAAAAGAAACCTAGNCACANAA AGAAAGCTGCGTTAATGTTTGCNAATGCAGAGGAAGAATTTTCTATGAGGAGCAGNAAA CCTGAGTGCTTGGNAGTCCAGACACAGAAGAGGATGGNAACAGTCGATCAGACATGGGTG GTCTGTCCCCATTTAGATAATANACATACAGCAGATGATGAGCCATA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_078469 unedited CTTGGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTATCTTTATT TCTTTATTTGCACTGGGAAATAACATCTTTGTCTACTATTTCTAGCATCTGAGATCCAG GTCAGTTGTGATTAATTTTTCTCTGTATTATGCAATGATTTTCTGCTTTTTCATGCCTC TCTACTGGATGCTAGACATTGTACATTTTACCTTCTTGGGCACTGAATTTTTTTGTAGTC CCAGAGGTAATTTGAGCTTTGTCTAAGATGCAGTGTGATCCTTTCAGGTCCTGCTGTA TAGCTGTGTCAGGTGGCAGTGCCCATCTAGGGTTTCTCACTTGTGTTTTTCTACCCAGTGC CCATAAATCATGAGGTTTTCCAGCTAGGGTGGTGGAAACAGGCCCTACCTAGGTCCCTG TGTGACGACCACTGTTCCCTTCTAATCTTCTCACATGGCTCTTCTCTGGCCTGAGGTGGT TCCTTACACACATGCGCTGATCAGTAGGGCTGTGCTGCCTAGTTGAGGGAGCTCCCTCTG GCCCCGACTTAGATCTGTGTCTCTCTCCAGTACTGTGACCCGAGTTCGGCCACCT TAGTCTCCCTGGATCCCTGGCATTGTTTTCTACTGCAGGGAGGCTGGCAGGCTCCACCT GAGTTCCTCCCTCTGAGTTTGCCTCTCAAGTCACTATCCTTACTCCCTGGTATTTG GTGGCTTGCAAACCGTTGTTTACATATTTTGTCCATTGTTTGTGTTTTCATGCCAGAGG GAAAAGTCCAGTACCTGTTTCTCCATCTTAGCATATGAGACTCTTAATTATTATTTTTTT CCTTCTACCACAAAAGTTGATGCAAGCATGGAAAACCTAAATATCTGGCACCTCGATAT GATGGAATCTTCTGATTGGAACCTGTAA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_078469
Insert Size:	2210 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:	<ol style="list-style-type: none">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_078469.1 , NP_510869.1
RefSeq Size:	2338 bp
RefSeq ORF:	879 bp
Locus ID:	56647
UniProt ID:	Q9P287
Cytogenetics:	10q26.2
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (C) is alternatively spliced at the 3' end compared to transcript variant A. It encodes an isoform (C) which has the same 284 N-terminal aa, but is truncated at the C-terminus compared to isoform BCCIPalpha.</p>