

# Recombinant Human BCCIP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BCCIP-4365H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	BCCIP MS Standard C13 and N15-labeled recombinant protein (NP_510868) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	36.1 kDa
<b>AA Sequence</b>	MASRSKRRAVESGVPQPPDPPVQRDEEEKEVENEDEDDDSDKEKDEEDEVIDE EVNIEFEAYSLSNDYDGIKLLQQLFLKAPVNTAELDLLIQNHIGSVIKQTDVSED SNDDMDEDEVFGFISLLNLTERKGTQCVEIQELVLRFCCKNCEKSMVEQLDKFLND TTKPVGLLLSERFINVPPQIALPMYQQLQKELAGAHRTNKPCGKCYFYLLISKTFVEA

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EKNNSKKKPSNKKKAALMFANAEFFYKAILKFNYSVQEEEDTCLGGKWSFDDV  
 PMTPLRTVMLIPGDKMNEIMDKLKEYLSVTRTRPLEQKLISEEDLAANDILDYKDDDD  
 KV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [BCCIP BRCA2 and CDKN1A interacting protein \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [BCCIP](#)

**Synonyms** BCCIP; BRCA2 and CDKN1A interacting protein; BRCA2 and CDKN1A-interacting protein; BCCIPalpha; TOK 1; BCCIPbeta; TOK-1beta; TOK-1alpha; protein TOK-1; cdk inhibitor p21 binding protein; p21- and CDK-associated protein 1; BRCA2 and Cip1/p21 interacting protein; TOK1; TOK-1;

**Gene ID** [56647](#)

**mRNA Refseq** [NM\\_078468](#)

**Protein Refseq** [NP\\_510868](#)

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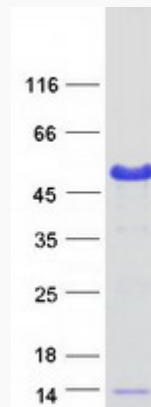
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**MIM** 611883

**UniProt ID** Q9P287

**SDS-PAGE**



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