

Recombinant Human BCCIP, His-tagged

Cat. No. BCCIP-255H Lot. No. (See product label)

SPECIFICATION

Product Overview	BCCIP, 1-314aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-314aa
Description	<p>BCCIP 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. Recombinant human BCCIP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.</p>
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	38.6kDa(339aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence

MGSSHHHHHH SSGLVPRGSH MGSEFMASRS KRRAVESGVP QPPDPPVQRD
 EEEEKEVENE DEDDDSDSKE KDEEDEVIDE EVNIEFEAYS LSDNDYDGIK
 KLLQQLFLKA PVNTAELTDL LIQQNHIGSV IKQTDVSEDS NDDMDEDEVF
 GFISLLNLTE RKGTCVVEQI QELVLRFCCK NCEKSMVEQL DKFLNDTTKP
 VGLLLSERFI NVPPQIALPM YQQLQKELAG AHRTNKPCGK CYFYLLISK
 FVEAGKNNSK KKPSNKKKAA LMFANAEFEF FYEKAILKFN YSVQEEESDTC
 LGGKWSFDDV PMTPLRTVML IPGDKMNEIM DKLKEYLSV

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

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

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_016567](#)

Protein Refseq [NP_057651](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



MIM	611883
UniProt ID	Q9P287
Chromosome Location	10q26.2
Function	kinase regulator activity; protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA