

Recombinant Human BCCIP Protein, GST-tagged

Cat. No. BCCIP-132H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BCCIP partial ORF (AAH09771, 210 a.a. - 314 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.96 kDa
AA Sequence	NKPCGKCYFYLLISKTFVEAEKNNSKKKPSNKKKAALMFANAEFFYEKAILKFNYS VQEESDTCLGGKWSFDDVPMTPLRTVMLIPGDKMNEIMDKLKEYLSV
Purity	Glutathione Sepharose 4 Fast Flow

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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
MIM	611883
UniProt ID	Q9P287

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