

## Product datasheet for TP303061L

### BCCIP (NM\_078468) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human BRCA2 and CDKN1A interacting protein (BCCIP), transcript variant B, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203061 protein sequence Red=Cloning site Green=Tags(s)

MASRSKRRAVESGVPQPPDPPVQRDEEEKEVENEDDDDDSDKEKDEEDEVIDEEVNIEFEAYSLSNDND  
YDGIKKLLQQLFLKAPVNTAELTDLLIQQNHIGSVIKQTDVSEDSNDDMDEDEVFGFISLLNLTERKGTQ  
CVEQIQELVLRFCENCKSMVEQLDKFLNDTTKPVGLLSERFINVPPQIALPMYQQQLQKELAGAHRTN  
KPCGKCYFYLLISKTFVEAEKNNSKKKPSNKKKAALMFANAEFFYEKAILKFNYSVQEEEDTCLGGKW  
SFDDVPMPLRTVMLIPGDKMNEIMDKLKEYLSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	35.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_510868</a>
Locus ID:	56647



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UniProt ID: [Q9P287](#)

RefSeq Size: 1261

Cytogenetics: 10q26.2

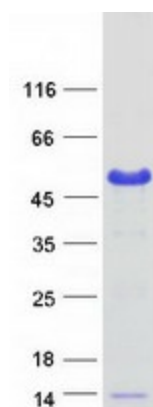
RefSeq ORF: 942

Synonyms: TOK-1; TOK1

**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]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

### Product images:



Coomassie blue staining of purified BCCIP protein (Cat# [TP303061]). The protein was produced from HEK293T cells transfected with BCCIP cDNA clone (Cat# [RC203061]) using MegaTran 2.0 (Cat# [TT210002]).