

Product datasheet for PH303061

BCCIP (NM_078468) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BCCIP MS Standard C13 and N15-labeled recombinant protein (NP_510868)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203061
Predicted MW:	36.1 kDa
Protein Sequence:	>RC203061 protein sequence Red=Cloning site Green=Tags(s) MASRSKRRAVESGVPQPPDPPVQRDEEEKEVENEDDDSDKEKDEEDEVIDEEVNIEFEAYSLSDND YDGIKKLLQQLFLKAPVNTAELTDLLIQQNHIGSVIKQTDVSEDSNDMDEDEVFGFISLLNLTERKGTQ CVEQIQELVLRFCCKNCEKSMVEQLDKFLNDTTKPVGLLLSERFINVPPQIALPMYQQLQKELAGAHRTN KPCGKCYFYLLISKTFVEAEKNNSKKKPSNKKKAALMFANAEFFYEKAILKFNYSVQEESDTCLGGKW SFDDVPMTPLRVMLIPGDKMNEIMDKLKEYLSV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_510868
RefSeq Size:	1261
RefSeq ORF:	942
Synonyms:	TOK-1; TOK1
Locus ID:	56647



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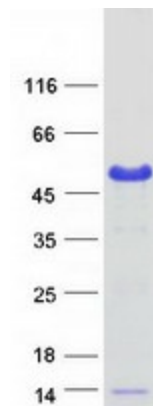
UniProt ID: [Q9P287](#)

Cytogenetics: 10q26.2

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]).