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BCCIP, 1-314aa, Human, His tag, E.coli

产品货号: TP01305

第三版

别名:BRCA2 and CDKN1A interacting protein, TOK-1, TOK1

描述: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.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量:38.6kDa(339aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

序列:

MGSSHHHHHSSGLVPRGSHMGSEFMASRSKRRAVESGVPQPPDPPVQRDEEEEKEVENEDEDDDSDKEKDEEDEV
EEVNIEFEAYSLSNDYDGIKLLQQLFLKAPVNTAELTDLLIQQNHIGSVIKQTDVSEDSNDDMDEDEVFGFISLLNLTER
KGTQCVEQIQELVLRFCENKCEKSMVEQLDKFLNDTTKPVGLLLSERFINVPPQIALPMYQQLQKELAGAHRTNKPCGKC
YFYLLISKTFVEAGKNNSKKKPSNKKKAALMFANAEFFYEKAILKFNYSVQESDTCGGKWSFDDVPMTPLRTVMLIPG
DKMNEIMDKLKEYLSV

纯度:> 95% by HPLC

浓度:0.5 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.