



Catalog Number: PR27247

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MGSEFMASRS KRRAVESGVP QPPDPPVQRD EEEEKEVENE
DEDDDDSDKE KDEEDEVIDE EVNIEFEAYS LSDNDYDGIK KLLQQLFLKA PVNTAELTDL
LIQQNHIGSV IKQTDVSEDS NDDMDEDEVF GFISLLNLTE RKGTCQVEQI QELVLRFCCK
NCEKSMVEQL DKFLNDTTKP VGLLLSERFI NVPPQIALPM YQQLQKELAG AHRTNKPCGK
CYFYLLISKT FVEAGKNNSK KKPSNKKKAA LMFANAEFEF FYEKAILKFN YSVQEEEDTC
LGGKWSFDDV PMTPLRVTML IPGDKMNEIM DKLKEYLSV.

Description/Molecular Mass: BRCA2 And CDKN1A Interacting Protein (BCCIP) is a nuclear protein with multiple interacting domains which remained conserved throughout the evolution. BCCIP is an important cofactor for BRCA2 in tumor suppression, and a modulator of CDK2 kinase activity via p21. BCCIP takes also part in the regulation of BRCA2 and RAD51 nuclear focus formation, doublestrand break-induced homologous recombination, and cell cycle progression.

BCCIP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 339 amino acids (1-314 a.a.) and having a molecular mass of 38.6kDa. BCCIP is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Purity: Greater than 90.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: BCCIP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

Storage: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

FOR RESEARCH USE ONLY

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