
Product Data Sheet

Product Name: BCCIP Human
 Cat. No.: GP22845
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BRCA2 and CDKN1A-interacting protein; P21- and CDK-associated protein 1; Protein TOK-1; BCCIP; TOK1; BRCA2 and CDKN1A-interacting protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSEFMASRS KRRAVESGVP QPPDPPVQRD EEEEKEVENE DEDDDSDKE KDEEDEVIDE EVNIEFEAYS LSDNDYDGIK KLLQQLFLKA PVNTAELTDL LIQQNHIGSV IKQTDVSEDS NDDMDEDEVF GFISLLNLTE RKGTCQVEQI QELVLRFCCK NCEKSMVEQL DKFLNDTTKP VGLLLSERFI NVPPQIALPM YQQLQKELAG AHRTNKPCGK CYFYLLISKT FVEAGKNNSK KKPSNKKKAA LMFANAEVEF FYEKAILKFN YSVQEEEDTC LGGKWSFDDV PMTPLRTVML IPGDKMNEIM DKLKEYLSV.		
Formulation	BCCIP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

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.

Stability

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

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.

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