



Recombinant Human BRCA2 and CDKN1A-interacting protein (BCCIP)

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|--------------------------|---|
| Product Code | CSB-EP882175HU |
| Abbreviation | BCCIP |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | Q9P287 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MASRSKRRRAV ESGVPQPPDP PVQRDEEEEEK EVENEDEDDD DSDKEKDEED EVIDEEVNIE FEAYSLSDND YDGIKKLLQQ LFLKAPVNTA ELTDLLIQQN HIGSVIKQTD VSEDSNDDMD EDEVFGFISL LNLTERKGTQ CVEQIQELVL RFCEKNCEKS MVEQLDKFLN DTTKPVGLLL SERFINVPPQ IALPMYQQLQ KELAGAHRTN KPCGKCYFYI LISKTFVEAG KNNSKKKPSN KKKAALMFAN AEEFFYEKA ILKFNYSVQE ESDTCLGGKW SFDDVPMTPL RTVMLIPGDK MNEIMDKLKE YLSV |
| Source | E.coli |
| Target Names | BCCIP |
| Protein Names | Recommended name: BRCA2 and CDKN1A-interacting protein Alternative name(s): P21- and CDK-associated protein 1 Protein TOK-1 |
| Expression Region | 1-314 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| Target Details | 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. |

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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