

Datasheet for ABIN7553882

## BRIP1 Protein (AA 1-1249) (His tag)



[Go to Product page](#)

### Overview

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Quantity:                     | 1 mg                                         |
| Target:                       | BRIP1                                        |
| Protein Characteristics:      | AA 1-1249                                    |
| Origin:                       | Human                                        |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This BRIP1 protein is labelled with His tag. |
| Application:                  | Western Blotting (WB), SDS-PAGE (SDS)        |

### Product Details

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:  | Custom-made recombinat BRIP1 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sequence: | <p>MSSMWSEYTI GGVKIYFPYK AYPSQLAMMN SILRGLNSKQ HCLLESPTGS GKSLALLCSA<br/> LAWQQSLSGK PADEGVSEKA EVQLSCCCAC HSKDFTNNDM NQGTSRHFNY PSTPPSERNG<br/> TSSTCQDSPE KTTLAAKLSA KKQASIYRDE NDDFQVEKKR IRPLETTQI RKRHCFGTEV<br/> HNLDAKVDSDG KTVKLNPLE KINSFSPQKP PGHCSRCCCS TKQGNSQESS NTIKKDHTGK<br/> SKIPKIYFGT RTHKQIAQIT RELRRTAYSG VPMTILSSRD HTC VHPEVVG NFNRNEKCM<br/> LLDGKNGKSC YFYHGVHKIS DQHTLQTFQG MCKAWDIEEL VSLGKKLKAC PYYTARELIQ<br/> DADIIFCPYN YLLDAQIRES MDLNLKEQVW ILDEAHNIED CARESASYSV TEVQLRFARD<br/> ELDSMVNNNI RKKDHEPLRA VCCSLINWLE ANAEYLVERD YESACKIWSG NEMLLTLHKM<br/> GITTATFPIL QGHFSAVLQK EEKISPIYGK EEAREVPVIS ASTQIMLKGL FMVLDYLFRRQ<br/> NSRFADDYKI AIQQTYSWTN QIDISDKNGL LVL PKNKKRS RQKTAVHVLN FWCLNPAVAF<br/> SDINGKVQTI VLTSGTLSPM KSFSSSELGVT FTIQLEANHI IKNSQVWVGT IGSGPKGRNL</p> |

CATFQNTETF EFQDEVGALL LSVQCVTSQG ILCFLPSYKL LEKLERWLS TGLWHNLELV  
KTVIVEPQGG EKTNFDELLQ VYYDAIKYKG EKDGAALLVAV CRGKVSEGLD FSDDNARAVI  
TIGIPFPNVK DLQVELKRQY NDHHSKLRGL LPGRQWYEQ AYRALNQALG RCIRHRNDWG  
ALILVDDRFR NNPSRYISGL SKWVRQQIQH HSTFESALES LAEFSKKHQK VLNVSICKDRT  
NIQDNESTLE VTSLKYSTSP YLLEAASHLS PENFVEDEAK ICVQELQCPK IITKNSPLPS  
SIISRKEKND PVFLEEAGKA EKIVISRSTS PTFNKQTKRV SWSSFNSLGQ YFTGKIPKAT  
PELGSSSENSA SSPPRFKTEK MESKTVLPFT DKCESSNLTV NTSFGSC PQS ETISSLKID  
ATLTRKNHSE HPLCSEEALD PDIELSLVSE EDKQSTSNRD FETEAEDESI YFTPELYDPE  
DTDEEKNDLA ETDGRNRLAN NSDCILAKDL FEIRTIKEVD SAREVKAEDC IDTKLNGILH  
IEESKIDDID GNVKTTWINE LELGKTHEIE IKNFKPSPSK NKGMFPGFK **Sequence without tag.**

**The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

BRIP1

Alternative Name:

BRIP1 ([BRIP1 Products](#))

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background:       | Fanconi anemia group J protein (EC 3.6.4.12) (BRCA1-associated C-terminal helicase 1) (BRCA1-interacting protein C-terminal helicase 1) (BRCA1-interacting protein 1),FUNCTION: DNA-dependent helicase and 5' to 3' DNA helicase required for the maintenance of chromosomal stability (PubMed:11301010, PubMed:14983014, PubMed:16116421, PubMed:16153896, PubMed:36608669). Acts late in the Fanconi anemia pathway, after FANCD2 ubiquitination (PubMed:14983014, PubMed:16153896). Involved in the repair of DNA double-strand breaks by homologous recombination in a manner that depends on its association with BRCA1 (PubMed:14983014, PubMed:16153896). Involved in the repair of abasic sites at replication forks by promoting the degradation of DNA-protein cross-links: acts by catalyzing unfolding of HMCES DNA-protein cross-link via its helicase activity, exposing the underlying DNA and enabling cleavage of the DNA-protein adduct by the SPRTN metalloprotease (PubMed:16116421, PubMed:36608669). {ECO:0000269 PubMed:11301010, ECO:0000269 PubMed:14983014, ECO:0000269 PubMed:16116421, ECO:0000269 PubMed:16153896, ECO:0000269 PubMed:36608669}. |
| Molecular Weight: | 140.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| UniProt:          | <a href="#">Q9BX63</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Pathways:         | <a href="#">DNA Damage Repair</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Application Details

|                    |                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions:      | For Research Use only                                                                                                                                                                                        |

## Handling

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| Format:          | Liquid                                                           |
| Buffer:          | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles.                               |
| Storage:         | -80 °C                                                           |
| Storage Comment: | Store at -80°C.                                                  |
| Expiry Date:     | 12 months                                                        |