

Datasheet for ABIN7563852

## BRIP1 Protein (AA 1-1174) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	BRIP1
Protein Characteristics:	AA 1-1174
Origin:	Mouse
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>MSSVLSDYTI GGVKIHFPKR AYPACLAMMN SIVRGLNSSQ HCLLESPTGS GKSLALLCSA  LAWQQSLSEK PVDEGLNKKP EAPPSCSCAC HSKNFTYSDT NLDTSPHFNS PSKPSSGRNG  VSTPCQDSPE KNTLAAKLSA KKQASIHRDE DDDFQVEKKR IRPLETTQQI RKRHCLEKDV  HHVDARLASE KRVKPESPIG KSFSDRKDSF QNV DGLCSRC CCSAKQGNNQ EPANTVKKDH  GGQCKRPKIY FGTRTHKQIA QITRELKTA YSGVPM TILS SRDHSCVHPE VVGNFNRKEK  CMELLDGKHG KSCYFYHGVH KISNQTLQH LQGMSRAWDI EELVSLGRKL KACPYYTARE  LIEDADIVFC PYN YLLDSQI RETMDIKLKG QVVILDEAHN IEDCARESAS YSVTEVQLRF  ARDELDSLIN GNIRKKSHEP LRDVCYNLIN WLETNSKHLV ERGYESSCKI WSGNEMLLNL  YRMGITTATF PVLQRHLSAV LQKEEKVTPI HGKEEAIQIP IISASTQVVL KGLFMVLDYL  FRENSRFADD YKVAIQQTYS WTNQIAIFDK TGV LAVPKNK KHSRQKIGVN ALNFWCLNPA  VAFSDINDKV RTIVLTSGTL SPLKSFSSSEL GVTFSIQLEA NHVISNSQVW VGTVGSGPKG</p>

RNLCATFQHT ETFEFQDEVG MLLLSVCQTV SQGILCFLPS YKLEKLRLER WIFTGLWHSL  
ESVKTVIAEP QGGEKTDfDE LLQVYYDAIK FKGEKDGALL IAVCRGKVSE GLDFSDDNAR  
AVITVGIPFP NVKDLQVELK RQYNDHHSKS RGLLPGRQWY EIQAYRALNQ ALGRCIRHKN  
DWGALILVDD RFNNNPnRYI SGLSKWVRQQ IQHHSSFASA LESLTFESRR HQKVtNRsKK  
DEKCTKDNEP TLEVACLEDS TFTSVSESSH QSPENSTEEA EVCVQELQCP QVATKSPSVA  
SHGVSRRKKS DPGLRGESLQ TMKTEKNEIS RSSSPTFGKQ TEPVNWPIFN SLRRHFNSKV  
KNCTPVLKSS KNRAPGSSTF NKTALPLTGN CVPSNETADT SLGPCLQSEV IISPVKIEAT  
PATNYSKQVF CCEKDLLPDT ELSPGTEEAK CPSSNKAAET EVDDDSECFT PELFDPVDTN  
EENGELVETD RSSHSSDCFS AEELFETATG FGQK **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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	BRIP1
Alternative Name:	Brip1 (BRIP1 Products)
Background:	Fanconi anemia group J protein homolog (EC 3.6.4.12) (BRCA1-associated C-terminal helicase

## Target Details

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. Acts late in the Fanconi anemia pathway, after FANCD2 ubiquitination. Involved in the repair of DNA double-strand breaks by homologous recombination in a manner that depends on its association with BRCA1. 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. {ECO:0000250|UniProtKB:Q9BX63}.

Molecular Weight: 131.4 kDa

UniProt: [Q5SXJ3](#)

Pathways: [DNA Damage Repair](#)

## 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