

Product datasheet for RC224085

BRIP1 (NM_032043) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRIP1 (NM_032043) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRIP1
Synonyms:	BACH1; FANCI; OF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC224085 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

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CACAGCTTGCTATGATGAATTCTATTCTCAGAGGATTAACAGCAAGCAACATTGTTTGGGAGAGTCC
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Protein Sequence: >RC224085 protein sequence
 Red=Cloning site Green=Tags(s)

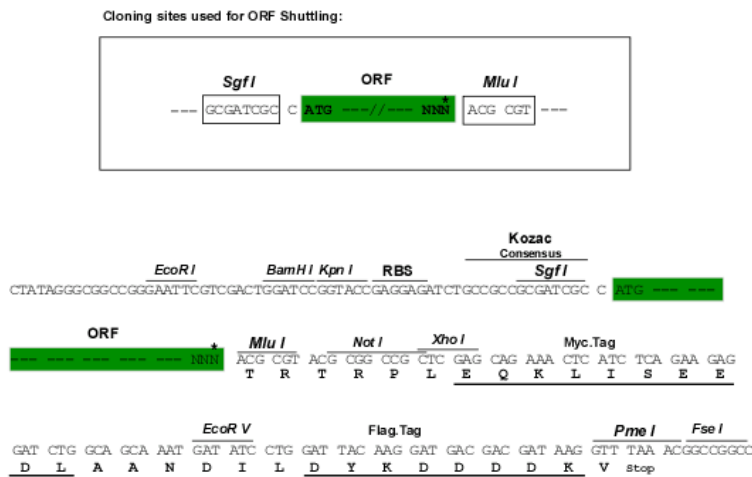
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 DKCESSNLTVNTSFGSCPQSETIISLKLIDATL TRKNHSEHPLCSEEALDPDIELSLVSEEDKQSTSNRD
 FETEAEDESIYFTPELYDPEDTDEEKNDLAETDRGNRLANNSDCILAKDLFEIRTIKEVDSAREVKAEDC
 IDTKLNGILHIEESKIDDIDGNVKTWINELGKTHEIEIKNFKSPSKNKGMPFGFK

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Chromatograms: https://cdn.origene.com/chromatograms/mk6677_a12.zip

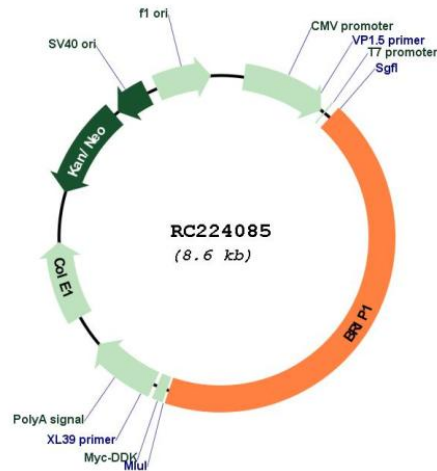
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_032043

ORF Size: 3747 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq: [NM_032043.1](#), [NP_114432.1](#)

RefSeq Size: 8166 bp

RefSeq ORF: 3750 bp

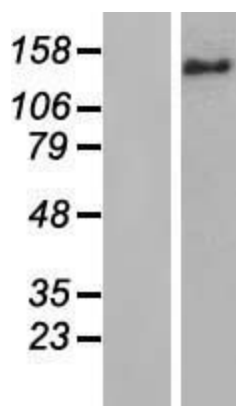
Locus ID: 83990

Protein Families: Druggable Genome

MW: 140.9 kDa

Gene Summary: The protein encoded by this gene is a member of the RecQ DEAH helicase family and interacts with the BRCT repeats of breast cancer, type 1 (BRCA1). The bound complex is important in the normal double-strand break repair function of breast cancer, type 1 (BRCA1). This gene may be a target of germline cancer-inducing mutations. [provided by RefSeq, Jul 2008]

Product images:



Western blot validation of overexpression lysate (Cat# [LY410352]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224085 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).