Recombinant Human BRIP1 HEK293T cell lysate

Cat. No. BRIP1-10HL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BRIP1 derived in Human HEK293T cell line.
Species	Human
Source	HEK293
Description	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.
Form	1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromph
Molecular Mass	140.7 kDa
Storage	Upon receiving, store the sample at -20 centigrade. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20 centigrade for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

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Shipping	The lysate is shipped with dry ice

GENE INFORMATION

Gene Name	BRIP1 BRCA1 interacting protein C-terminal helicase 1 [Homo sapiens]
Official Symbol	BRIP1
Synonyms	BRIP1; BRCA1 interacting protein C-terminal helicase 1; Fanconi anemia group J protein; BACH1; BRCA1/BRCA2 associated helicase 1; FANCJ; OF; ATP-dependent RNA helicase BRIP1; BRCA1/BRCA2-associated helicase 1; BRCA1-associated C-terminal helicase 1; BRCA1-binding helicase-like protein BACH1; FLJ90232; MGC126521; MGC126523;
Gene ID	83990
mRNA Refseq	NM_032043
Protein Refseq	NP_114432
MIM	605882
UniProt ID	Q9BX63
Chromosome Location	17q22.2
Pathway	DNA Repair, organism-specific biosystem; Double-Strand Break Repair, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem; Homologous DNA pairing and strand exchange, organism-specific biosystem; Homologous Recombination Repair,

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	organism-specific biosystem; Homologous recombination repair of replication-independent double-strand breaks, organism-specific biosystem;
Function	ATP binding; ATP-dependent DNA helicase activity; DNA binding; helicase activity; hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides; nucleotide binding; protein binding;

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