

Recombinant Human BRIP1, His-tagged

Cat. No. BRIP1-10291H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human BRIP1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

Species Human

Source E.coli

ProteinLength 1-342a.a.

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.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name BRIP1 BRCA1 interacting protein C-terminal helicase 1 [Homo sapiens]

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Official Symbol	BRIP1
Synonyms	BRIP1; BRCA1 interacting protein C-terminal helicase 1; Fanconi anemia group J protein; BACH1; BRCA1/BRCA2 associated helicase 1; FANCI; 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, 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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