

Recombinant Human BRCC3 protein, His-tagged

Cat. No. BRCC3-105H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BRCC3(Gln7~Gly148) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln7~Gly148
Description	This gene encodes a subunit of the BRCA1-BRCA2-containing complex (BRCC), which is an E3 ubiquitin ligase. This complex plays a role in the DNA damage response, where it is responsible for the stable accumulation of BRCA1 at DNA break sites. The component encoded by this gene can specifically cleave Lys 63-linked polyubiquitin chains, and it regulates the abundance of these polyubiquitin chains in chromatin. The loss of this gene results in abnormal angiogenesis and is associated with syndromic moyamoya, a cerebrovascular angiopathy. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 5.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300
Molecular Mass	19.8kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

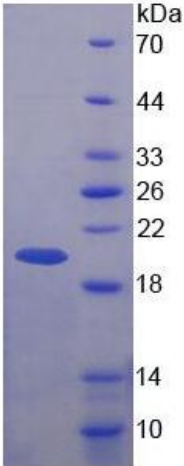
GENE INFORMATION

Gene Name	BRCC3 BRCA1/BRCA2-containing complex, subunit 3 [Homo sapiens]
Official Symbol	BRCC3
Synonyms	BRCC3; BRCA1/BRCA2-containing complex, subunit 3; chromosome X open reading frame 53 , CXorf53; lys-63-specific deubiquitinase BRCC36; BRCC36; C6.1A; BRISC complex subunit BRCC36; BRCA1-A complex subunit BRCC36; BRCA1/BRCA2-containing complex subunit 36; CXorf53; RP11-143H17.2;
Gene ID	79184
mRNA Refseq	NM_001018055
Protein Refseq	NP_001018065

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MIM	300617
UniProt ID	P46736
Chromosome Location	Xq28
Function	enzyme regulator activity; metal ion binding; metallopeptidase activity; peptidase activity; polyubiquitin binding; protein binding; ubiquitin thiolesterase activity; ubiquitin-specific protease activity;
 15% SDS-PAGE	