

Datasheet for ABIN7504959

## BRCA2 Protein (AA 2350-2545) (His tag)



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### Overview

Quantity:	100 µg
Target:	BRCA2
Protein Characteristics:	AA 2350-2545
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BRCA2 protein is labelled with His tag.
Application:	Immunogen (Imm)

### Product Details

Sequence:	Thr2350-Val2545
Characteristics:	A DNA sequence encoding the Human BRCA2 (P51587-1) (Thr2350-Val2545) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.

### Target Details

Target:	BRCA2
Alternative Name:	BRCA2 ( <a href="#">BRCA2 Products</a> )
Background:	<p>Abbreviation: BRCA2</p> <p>Target Synonym: BRCA 2,BRCA1/BRCA2 containing complex subunit 2,Brca2,BRCA2,DNA repair associated,BRCA2,BRCC 2,BRCC2,Breast and ovarian cancer susceptibility gene early</p>

## Target Details

onset,breast and ovarian cancer susceptibility protein 2,Breast cancer 2 early onset,Breast Cancer 2 tumor suppressor,Breast cancer susceptibility protein BRCA2,Breast cancer type 2 susceptibility protein,BROVCA2,FACD,FAD 1,FAD,FAD1,FANCB,FANCD 1,FANCD,FANCD1,FANCD1 gene,Fanconi anemia complementation group D1,Fanconi anemia group D1 protein,GLM3,mutant  
BRCA2,OTTHUMP00000018803,OTTHUMP00000042401,PNCA2,XRCC11  
Background: Inherited mutations in BRCA1 and this gene, BRCA2, confer increased lifetime risk of developing breast or ovarian cancer. Both BRCA1 and BRCA2 are involved in maintenance of genome stability, specifically the homologous recombination pathway for double-strand DNA repair. The BRCA2 protein contains several copies of a 70 aa motif called the BRC motif, and these motifs mediate binding to the RAD51 recombinase which functions in DNA repair. BRCA2 is considered a tumor suppressor gene, as tumors with BRCA2 mutations generally exhibit loss of heterozygosity (LOH) of the wild-type allele.

Molecular Weight: Calculated MW: 22.1 kDa  
Observed MW: 25.4 kDa

UniProt: [P51587-1](#)

Pathways: [DNA Damage Repair](#), [M Phase](#), [Maintenance of Protein Location](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.  
Comment: used as Immunogen for (ABIN6999874, ABIN7234154, ABIN7234155 and ABIN7234156)  
Restrictions: For Research Use only

## Handling

Format: Lyophilized  
Buffer: Lyophilized from sterile PBS, pH 7.4.  
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.  
Storage: 4 °C,-20 °C,-80 °C  
Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Handling

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Expiry Date: 12 months