

## Recombinant Human BRCA2, His & GST-tagged

Cat. No. BRCA2-232H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the human BCCIP (AAH09771.1) (Met1-Val314) was expressed with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Met1-Val314
<b>Form</b>	Lyophilized from sterile PBS, pH7.4.
<b>Molecular Mass</b>	The recombinant human BCCIP/GST chimera consists of 551 amino acids and has a calculated molecular mass of 64 kDa. The recombinant protein migrates as an approximately 65 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>85 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C
<b>Storage</b>	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Hardcopy of COA with reconstitution instruction is sent along with the products.

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## GENE INFORMATION

**Gene Name** BRCA2 breast cancer 2, early onset [ Homo sapiens ]

**Official Symbol** BRCA2

**Synonyms** BRCA2; breast cancer 2, early onset; FACD, FANCD, FANCD1, Fanconi anemia, complementation group D1; breast cancer type 2 susceptibility protein; BRCA1/BRCA2 containing complex; subunit 2; BRCC2; FAD; FAD1; fanconi anemia group D1 protein; breast cancer 2 tumor suppressor; BRCA1/BRCA2-containing complex, subunit 2; breast cancer susceptibility protein BRCA2; breast and ovarian cancer susceptibility gene, early onset; FACD; GLM3; FANCB; FANCD; PNCA2; FANCD1; BROVCA2;

**Gene ID** 675

**mRNA Refseq** NM\_000059

**Protein Refseq** NP\_000050

**MIM** 600185

**UniProt ID** P51587

**Chromosome Location** 13q12-q13

**Pathway** DNA Repair, organism-specific biosystem; Double-Strand Break Repair, organism-specific biosystem; FOXM1 transcription factor network, organism-specific biosystem; Fanconi Anemia pathway, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem;

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Homologous DNA pairing and strand exchange, organism-specific biosystem;

**Function**

DNA binding; H3 histone acetyltransferase activity; H4 histone acetyltransferase activity; gamma-tubulin binding; NOT histone acetyltransferase activity; protease binding; protein binding; single-stranded DNA binding;

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