

Recombinant Human BRCA1 protein, GST-tagged

Cat. No. BRCA1-42H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BRCA1(1,634-1,863 aa) fused with GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1634-1863 a.a.
Form	50 mM Tris-HCl, pH 8.0, containing 150 mM sodium chloride and 20% glycerol
Molecular Mass	53.3 kDa
Purity	≥90%
Storage	≥6 months at -80 centigrade; avoid freeze/thaw cycles by aliquoting protein.

GENE INFORMATION

Gene Name	BRCA1 breast cancer 1, early onset [Homo sapiens]
Official Symbol	BRCA1
Synonyms	BRCA1; breast cancer 1, early onset; breast cancer type 1 susceptibility protein; BRCA1/BRCA2 containing complex; subunit 1; BRCC1; PPP1R53; protein

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phosphatase 1; regulatory subunit 53; RNF53; RING finger protein 53; BRCA1/BRCA2-containing complex, subunit 1; protein phosphatase 1, regulatory subunit 53; breast and ovarian cancer susceptibility protein 1; breast and ovarian cancer susceptibility protein 1; IRIS; PSCP; BRCA1; PNCA4; BROVCA1;

Gene ID

672

mRNA Refseq

NM_007294

Protein Refseq

NP_009225

MIM

113705

UniProt ID

P38398

**Chromosome
Location**

17q21-q24

Pathway

ATF-2 transcription factor network, organism-specific biosystem; ATM mediated phosphorylation of repair proteins, organism-specific biosystem; ATM mediated response to DNA double-strand break, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Aurora A signaling, organism-specific biosystem; BARD1 signaling events, organism-specific biosystem; BRCA1-associated genome surveillance complex (BASC), organism-specific biosystem;

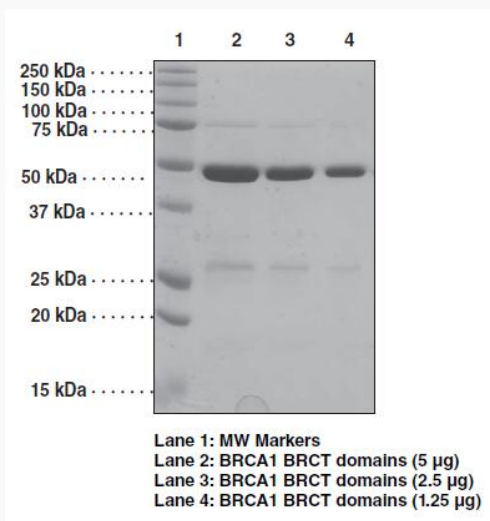
Function

DNA binding; DNA binding; RNA binding; androgen receptor binding; damaged DNA binding; enzyme binding; ligase activity; metal ion binding; protein binding; transcription coactivator activity; transcription regulatory region DNA binding; tubulin binding; ubiquitin protein ligase binding; ubiquitin-protein ligase activity; contributes_to ubiquitin-protein ligase activity; zinc ion binding;

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