

# Recombinant Full Length Human BARD1 Protein, GST-tagged

Cat. No. BARD1-1816HF Lot. No. (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Human BARD1 full-length ORF (BAG36925.1, 1 a.a. - 777 a.a.) recombinant protein with GST-tag at N-terminal.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | In Vitro Cell Free System  |
| <b>ProteinLength</b>    | 777 amino acids  |
| <b>Description</b>      | This gene encodes a protein which interacts with the N-terminal region of BRCA1. In addition to its ability to bind BRCA1 in vivo and in vitro, it shares homology with the 2 most conserved regions of BRCA1: the N-terminal RING motif and the C-terminal BRCT domain. The RING motif is a cysteine-rich sequence found in a variety of proteins that regulate cell growth, including the products of tumor suppressor genes and dominant protooncogenes. This protein also contains 3 tandem ankyrin repeats. The BARD1/BRCA1 interaction is disrupted by tumorigenic amino acid substitutions in BRCA1, implying that the formation of a stable complex between these proteins may be an essential aspect of BRCA1 tumor suppression. This protein may be the target of oncogenic mutations in breast or ovarian cancer. [provided by RefSeq |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.   |
| <b>Molecular Mass</b>   | 111.87 kDa   |
| <b>AA Sequence</b>      | MPDNRQPRNRQPRIRSGNEPRSAPAMEPDGRGAWAHSRAALDRLEKLLRCSRCT   |

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beta; BRCA1 associated RING domain 1 isoform delta; BRCA1 associated RING domain 1 isoform gamma; BRCA1 associated RING domain 1 isoform epsilon


**Gene ID** 580

**mRNA Refseq** NM\_000465

**Protein Refseq** NP\_000456

**MIM** 601593

**UniProt ID** Q99728

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