

Recombinant Full Length Human BARD1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human BARD1 full-length ORF (BAG36925.1, 1 a.a. - 777 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	777 amino acids
Description	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]
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	111.87 kDa
AA Sequence	MPDNRQPRNRQPRIRSGNEPR SAPAMEPDGRGAWAHSRAALDRLEKLLRCSRCT

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NILREPVCLGGCEHIFCSNCVSDCIGTGCPVCYTPAWIQDLKINRQLDSMIQLCSKLR
 NLLHDNELSDLKEDKPRKSLFNDAGSKKNSIKMWFSRSPKSKVRYVVSASVQTQPAI
 KKDASAQQDSYEFVSPSPPADVSERAKKASARSGKKQKKKTLAEINQKWNLEAEKE
 DGEFDSKEESKQKLVSFCSQPSVISSPQINGEIDLLASGSLTESECFGSLTEVSLPLA
 EQIESPDTKSRNEVVTPEKVCKNYLTSSKSLPLENNGKRGHHNRLSSPISKRCRTSIL
 STSGDFVKQTVPSENIPLPECSSPPSCKRKVGGTSGSKNSNMSDEFISLSPGTPPST
 LSSSSYRRVMSSPSAMKLLPNMAVKRNHRGETLLHIASIKGDIPSVEYLLQNGSDPN
 VKDHAGWTPLHEACNHGHLKVVELLLQHKALVNTTGYQNDSPLDAAKNGHMDIVK
 LLLSYGASRNAVNIFGLRPVDYTDDESMKSLLLLPEKNESSSASHCSVMNTGQRRD
 GPLVLIGSGLSSEQQKMLSELAVILKAKKYTEFDSTVTHVVVPGDAVQSTLKCMLGIL
 NGCWILKFEWVKACLRKRVCEQEEKYEIPEGPRRSRLNREQLLPKLFDGCYFYLWG
 TFKHHPKDNLIKLVTAGGGQILSRKPKPDSVDTQTINTVAYHARPDSDQRFCTQYIIY
 EDLCNYHPERVRQGKVKAPSSWFIDCVMSFELLPLDS

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	BARD1 BRCA1 associated RING domain 1 [Homo sapiens]
Official Symbol	BARD1
Synonyms	BARD1; BRCA1 associated RING domain 1; BRCA1-associated RING domain protein 1; BARD-1; BRCA1-associated RING domain gene 1; BRCA1 associated RING domain 1 isoform eta; BRCA1 associated RING domain 1 isoform phi; BRCA1 associated RING domain 1 isoform alfa; BRCA1 associated RING domain 1 isoform



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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