

Full-Length

BARD1 (Human) Recombinant Protein (P01)

Catalog # H00000580-P01

Size 50 ug

Specification

Product Description	Human BARD1 full-length ORF (BAG36925.1, 1 a.a. - 777 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPDNRQPRNRQPRIRSGNEPRSAPAMEPDGRGAWAHSRAALDRLEKLLRCSRCTNILREPVCL GGCEHIFCSNCVSDCIGTGCPVCYTPAWIQDLKINRQLDSMIQLCSKLRNLLHDNELSDLKEDKPR KSLFNDAGSKKNSIKMWFSPRSKKVRYVSKASVQTQPAIKKDASAQQDSYEFVSPSPPADVSE RAKKASARSGKKQKKKTLAEINQKWNLEAEKEDGEFDSKEESKQKLVSFCSQPSVISSPQINGEI DLLASGSLTESECFGSLTEVSLPLAEQIESPDTKSRNEVVTPEKVCKNYLTSKKSLPLENNGKRG HHNRLSSPISKRCRTSILSTSGDFVKQTVPSENIPLPECSSPPSCKRKVGGTSGSKNSNMSDEFIS LSPGTPPSTLSSSSYRRVMSSPSAMKLLPNMAVKRNHRGETLLHASIKGDIPSVEYLLQNGSDPN VKDHAGWTPLEACNHGHLKVVELLLQHKALVNTTGYQNDSPLHDAAKNGHMDVMKLLLSYGAS RNAVNIFGLRPVDYTDDESMKSLLLLPEKNESSSASHCSVMNTGQRRDGPLVLIGSGLSSEQQK MLSELAVILKAKKYTEFDSTVTHVVVPGDAVQSTLKCM LGILNGCWILKFEWVKACLRRKVCEQE EKYEIPEGPRRSRLNREQLLPKLFDCGYFYLWGTFKHHPKDNLIKLVTAGGGQILSRKPKPDSDVT QTINTVAYHARPDSDQRFCTQYIYEDLCNYHPERVRQGKVVWAPSSWFIDCVMSFELLPLDS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	111.87
Interspecies Antigen Sequence	Mouse (70)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BARD1

Entrez GeneID [580](#)

GeneBank Accession# [AK314260.1](#)

Protein Accession# [BAG36925.1](#)

Gene Name BARD1

Gene Alias -

Gene Description BRCA1 associated RING domain 1

Omim ID [114480 601593](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations BRCA1-associated RING domain 1|BRCA1-associated RING domain gene 1

Disease

- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)
- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Carcinoma in Situ](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Neoplasms](#)
- [Neoplastic Syndromes](#)
- [Neuroblastoma](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Papillomavirus Infections](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)