

Product Datasheet

Name: Recombinant human BRCA1 Protein

Construction: A DNA sequence encoding the human BRCA1 Protein (1661-1863aa) was expressed with a His tag in C terminus

Catalog No.	Unit	Usage	Buffer
bs-10856P	mg	Antigen	20mM Tris, 8M urea, pH 7.5

Host: Escherichia coli

MW: 24.5kD

Format: Liquid

Concentration: ≥0.5 mg/ml

Purification: ≥90% (SDS-PAGE)

Application: Recommended for sandwich immunoassays in ELISA and CLIA. Each laboratory should determine an optimum working titer for use in its particular application.

Storage: Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Background: 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. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]

Note: *This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.*