BRCA1-A Complex Subunit BRE (BRE) Saguinus Oedipus Recombinant Protein

PRODUCT OVERVIEW

Product Name	BRCA1-A complex subunit BRE (BRE), Recombinant Protein
Full Product Name	Recombinant Saguinus oedipus BRCA1-A complex subunit BRE (BRE)
Product Gene Name	BRE recombinant protein
Product Synonym Gene Name	BRE
Sequence	MSPEVALNRI SPMLSPFISS VVRNGKVGLD ATNCLRITDL KSGCTSLTPG PNCDRFKLHI PYAGETLKWD IIFNAQYPEL PPDFIFGEDA EFLPDPSALQ NLASWNPSNP ECLLLVVKEL VQQYHQFQCS RLRESSRLMF EYQTLLEEPQ YGENMEIYAG KKNNWTGEFS ARFLLKLPVD FSNIPTYLLK DVNEDPGEDV ALLSVSFEDT EATQVYPKLY LSPRIEHALG GSSALHIPAF PGGGCLIDYV PQVCHLLTNK VQYVIQGYHK RREYIAAFLS HFGTGVVEYD AEGFTKLTLL LMWKDFCFLV HIDLPLFFPR DQPTLTFQSV YHFTNSGQLY SQAQKNYPYS PRWDGNEMAK RAKAYFKTFV PQFQEAAFAN GKL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	43,552 Da
Sequence Positions	1-383, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8WN70
Species	Saguinus oedipus (Cotton-top tamarin)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BRE recombinant protein	MBS1406320 is a recombinant protein targeting BRE. Also known as Recombinant Saguinus oedipus BRCA1-A complex subunit BRE (BRE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of BRE recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRE. It may not necessarily be applicable to this product.

NCBI GI #	75047938
NCBI Accession #	Q8WN70.1
UniProt Primary Accession #	Q8WN70
NCBI Official Full Name	BRISC and BRCA1-A complex member 2

UniProt Protein Name	BRISC and BRCA1-A complex member 2
UniProt Synonym Protein Names	BRCA1-A complex subunit BRE; BRCA1/BRCA2-containing complex subunit 45; Brain and reproductive organ-expressed protein
Protein Family	BRCA1-A complex
UniProt Gene Name	BABAM2
UniProt Synonym Gene Names	BRE
UniProt Comments for BRE	Component of the BRCA1-A complex, a complex that specifically recognizes 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs). The BRCA1-A complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX. In the BRCA1-A complex, it acts as an adapter that bridges the interaction between BABAM1/NBA1 and the rest of the complex, thereby being required for the complex integrity and modulating the E3 ubiquitin ligase activity of the BRCA1-BARD1 heterodimer. Component of the BRISC complex, a multiprotein complex that specifically cleaves 'Lys-63'-linked ubiquitin in various substrates. Within the BRISC complex, acts as an adapter that bridges the interaction between BABAM1/NBA1 and the rest of the complex, thereby being required for the complex integrity. The BRISC complex is required for normal mitotic spindle assembly and microtubule attachment to kinetochores via its role in deubiquitinating NUMA1. The BRISC complex plays a role in interferon signaling via its role in the deubiquitination of the interferon receptor IFNAR1; deubiquitination increases IFNAR1 activity by enhancing its stability and cell surface expression. Down-regulates the response to bacterial lipopolysaccharide (LPS) via its role in IFNAR1 deubiquitination. May play a role in homeostasis or cellular differentiation in cells of neural, epithelial and germline origins. May also act as a death receptor-associated anti-apoptotic protein, which inhibits the mitochondrial apoptotic pathway. May regulate TNF-alpha signaling through its interactions with TNFRSF1A; however these effects may be indirect.
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