Protein BREAST CANCER Susceptibility 1 Homolog (BRCA1) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein BREAST CANCER SUSCEPTIBILITY 1 homolog (BRCA1), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Protein BREAST CANCER SUSCEPTIBILITY 1 homolog (BRCA1) , partial
Product Gene Name	BRCA1 recombinant protein
Product Synonym Gene Name	BRCA1
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	103,922 Da
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 Q8RXD4
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BRCA1 recombinant protein	MBS1455359 is a recombinant protein targeting BRCA1. Also known as Recombinant Arabidopsis thaliana Protein BREAST CANCER SUSCEPTIBILITY 1 homolog (BRCA1) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of BRCA1 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 BRCA1. It may not necessarily be applicable to this product.

NCBI GI #	79480107
NCBI GeneID	827854
NCBI Accession #	NP_193839.4
UniProt Primary Accession #	Q8RXD4
UniProt Secondary Accession #	Q9SUA7
UniProt Related Accession #	Q8RXD4
GenBank Nucleotide #	NM_118225.5
NCBI Official Full Name	breast cancer susceptibility1

NCBI Official Symbol	BRCA1
NCBI Official Synonym Symbols	ARABIDOPSIS THALIANA BREAST CANCER SUSCEPTIBILITY1; ATBRCA1; breast cancer susceptibility1
UniProt Protein Name	Protein BREAST CANCER SUSCEPTIBILITY 1 homolog
Protein Family	Breast cancer type 1 susceptibility protein
UniProt Gene Name	BRCA1
UniProt Synonym Gene Names	AtBRCA1
NCBI Protein Information	breast cancer susceptibility1
NCBI Summary for BRCA1	Encodes AtBRCA1, an ortholog of the human breast cancer susceptibility gene 1. Contains one N-terminal RING finger, two C-terminal BRCT and the p300/CBP interacting domain. Strongly induced by gamma rays, consistent with a putative role in DNA repair and in cell cycle control.
UniProt Comments for BRCA1	Plays a role in DNA repair and in cell-cycle control. Required for the repair of DNA double-strand breaks (DSBs), both natural and induced by genotoxic stress, by homologous recombination (HR).
Research Articles on BRCA1	**1.** A homologous recombination defect is apparent in Atbrca1 mutants.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/protein-breast-cancer-susceptibility-1-homolog-brca1/1455359