ABRAXAS1 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	ABRAXAS1, Lysate
Full Product Name	Human ABRAXAS1 Protein Lysate
Product Gene Name	ABRAXAS1 lysate
Product Synonym Names	ABRAXAS1; ABRA1; CCDC98; FAM175A
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	46,663 Da
OMIM	phenotype 611143
3D Structure	ModBase 3D Structure for Q6UWZ7
Related Product Information for ABRAXAS1 lysate	Human ABRAXAS1 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of ABRAXAS1 lysate 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.
Searchable Terms for ABRAXAS1 purchase	MBS136715 is a lysate targeting ABRAXAS1. Also known as Human ABRAXAS1 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABRAXAS1. It may not necessarily be applicable to this product.

NCBI GI #	109148531
NCBI GeneID	84142
NCBI Accession #	NP_620775
UniProt Primary Accession #	Q6UWZ7
UniProt Secondary Accession #	Q9H8I1; Q9H9N4; A5JJ07
UniProt Related Accession #	Q6UWZ7
GenBank Nucleotide #	NM_139076
NCBI Official Full Name	BRCA1-A complex subunit Abraxas
NCBI Official Synonym Full Names	family with sequence similarity 175, member A
NCBI Official Symbol	FAM175A
NCBI Official Synonym Symbols	ABRA1; CCDC98
UniProt Protein Name	BRCA1-A complex subunit Abraxas

UniProt Synonym Protein Names	Coiled-coil domain-containing protein 98; Protein FAM175A
UniProt Gene Name	FAM175A
UniProt Synonym Gene Names	ABRA1; CCDC98
UniProt Entry Name	F175A_HUMAN
NCBI Protein Information	BRCA1-A complex subunit Abraxas; abraxas protein; coiled-coil domain containing 98; coiled-coil domain-containing protein 98
UniProt Comments for ABRAXAS1	Abraxas: 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 a central scaffold protein that assembles the various components of the BRCA1-A complex and mediates the recruitment of BRCA1. Belongs to the FAM175 family. Abraxas subfamily. Protein type: DNA repair, damage Chromosomal Location of Human Ortholog: 4q21.23 Cellular Component: nucleus Molecular Function: protein binding; polyubiquitin binding Biological Process: positive regulation of DNA repair; double-strand break repair; chromatin modification; response to ionizing radiation; G2/M transition DNA damage checkpoint
Research Articles on ABRAXAS1	**1.** The recurrent Abraxas c.1082G>A mutation connects to breast cancer predisposition.
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