SWI/SNF Complex Subunit SWI3C (SWI3C) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	SWI/SNF complex subunit SWI3C (SWI3C), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana SWI/SNF complex subunit SWI3C (SWI3C) , partial
Product Gene Name	SWI3C recombinant protein
Product Synonym Gene Name	SWI3C
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	88,250 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 Q9XI07
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SWI3C recombinant protein	MBS1369444 is a recombinant protein targeting SWI3C. Also known as Recombinant Arabidopsis thaliana SWI/SNF complex subunit SWI3C (SWI3C) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SWI3C 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 SWI3C. It may not necessarily be applicable to this product.

NCBI GI #	15219067
NCBI GeneID	838774
NCBI Accession #	NP_173589.1
UniProt Primary Accession #	Q9XI07
UniProt Related Accession #	Q9XI07
GenBank Nucleotide #	NM_102019.4
NCBI Official Full Name	SWITCH/sucrose nonfermenting 3C
NCBI Official Symbol	SWI3C

NCBI Official Synonym Symbols	ATSWI3C; CHB4; CHROMATIN REMODELING COMPLEX SUBUNIT B; F8K7.13; F8K7_13; SWITCH/sucrose nonfermenting 3C
UniProt Protein Name	SWI/SNF complex subunit SWI3C
UniProt Synonym Protein Names	Transcription regulatory protein SWI3C
Protein Family	SWI/SNF complex
UniProt Gene Name	SWI3C
UniProt Synonym Gene Names	CHB4; AtSWI3C
NCBI Protein Information	SWITCH/sucrose nonfermenting 3C
NCBI Summary for SWI3C	a member of the Arabidopsis SWI3 gene family. Protein physically interacts with ATSWI3B and ATSWI3A, the other two members of the SWI3 family. Homologous to yeast SWI3 & RSC8, components of the SWI/SNF and RSC chromatin remodeling complexes. Referred to as CHB3 in Zhou et al (2003).
UniProt Comments for SWI3C	Component of a multiprotein complex equivalent of the SWI/SNF complex, an ATP-dependent chromatin-remodeling complex, which is required for the positive and negative regulation of gene expression of a large number of genes. It changes chromatin structure by altering DNA-histone contacts within a nucleosome, leading eventually to a change in nucleosome position, thus facilitating or repressing binding of gene-specific transcription factors.
Research Articles on SWI3C	**1.** SWI3C is capable of in vitro binding to, and shows in vivo bimolecular fluorescence complementation interaction in cell nuclei with, the DELLA proteins RGA-LIKE2 and RGA-LIKE3.
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.
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