

SWI/SNF complex subunit SWI3A (SWI3A), Recombinant Protein

Cat RP05189

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana SWI/SNF complex subunit SWI3A (SWI3A) , partial

Product Gene Name

SWI3A recombinant protein

Product Synonym Gene Name

SWI3A

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

57,485 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

SWI/SNF complex

NCBI Accession

NP_850476.1

NCBI GI

30690734

NCBI GenBank Nucleotide

NM_180145.3

NCBI GeneID

819375

NCBI Official Full Name

SWITCH/sucrose nonfermenting 3A

NCBI Official Symbol

SWI3A

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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ATSWI3A; CHB1; SWITCH/sucrose nonfermenting 3A; T30B22.7

NCBI Protein Information

SWITCH/sucrose nonfermenting 3A

NCBI Summary

Homologous to yeast SWI3 and a member of the Arabidopsis SWI3 gene family. Protein physically interacts with ATSWI3B and ATSWI3C, the other two members of the SWI3 family.

UniProt Gene Name

SWI3A

UniProt Synonym Gene Names

CHB1; AtSWI3A

UniProt Protein Name

SWI/SNF complex subunit SWI3A

UniProt Synonym Protein Names

Transcription regulatory protein SWI3A

UniProt Primary Accession

Q8W475

UniProt Secondary Accession

Q8S8T3

UniProt Related Accession

Q8W475

UniProt Comments

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.

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