Chromatin-Associated Protein Swi6 (swi6) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chromatin-associated protein swi6 (swi6), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Chromatin-associated protein swi6 (swi6)
Product Gene Name	swi6 recombinant protein
Sequence	MKKGGVRSYR RSSTSKRSVI DDDSEPELPS MTKEAIASHK ADSGSSDNEV ESDHESKSSS KKLKENAKEE EGGEEEEEDE YVVEKVLKHR MARKGGGYEY LLKWEGYDDP SDNTWSSEAD CSGCKQLIEA YWNEHGGRPE PSKRKRTARP KKPEAKEPSP KSRKTDEDKH DKDSNEKIED VNEKTIKFAD KSQEEFNENG PPSGQPNGHI ESDNESKSPS QKESNESEDI QIAETPSNVT PKKKPSPEVP KLPDNRELTV KQVENYDSWE DLVSSIDTIE RKDDGTLEIY LTWKNGAISH HPSTITNKKC PQKMLQFYES HLTFRENE
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	37,293 Da
Sequence Positions	1-328, Full length
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 P40381
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for swi6 recombinant protein	MBS1229987 is a recombinant protein targeting swi6. Also known as Recombinant Schizosaccharomyces pombe Chromatin-associated protein swi6 (swi6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of swi6 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 swi6. It may not necessarily be applicable to this product.

NCBI GI #	19114361
NCBI GeneID	2541633
NCBI Accession #	NP_593449.1
UniProt Primary Accession #	P40381
GenBank Nucleotide #	NM_001018882.2

NCBI Official Full Name	chromodomain protein Swi6
NCBI Official Symbol	swi6
UniProt Protein Name	Chromatin-associated protein swi6
Protein Family	Chromatin-associated protein
UniProt Gene Name	swi6
NCBI Protein Information	chromodomain protein Swi6
UniProt Comments for swi6	Recognizes and binds histone H3 tails methylated at 'Lys-9', leading to epigenetic repression. Involved in the repression of the silent mating-type loci MAT2 and MAT3. May compact MAT2/3 into a heterochromatin-like conformation which represses the transcription of these silent cassettes.
Research Articles on swi6	**1.** findings uncover quantitative differences in how Swi6 and Chp2 interact with nucleosomal and non-nucleosomal ligands and qualitative differences in how their assembly on nucleosomes is regulated
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