Chromatin Structure-Remodeling Complex Subunit SFH1 (SFH1) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chromatin structure-remodeling complex subunit SFH1 (SFH1), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Chromatin structure-remodeling complex subunit SFH1 (SFH1)
Product Gene Name	SFH1 recombinant protein
Sequence	MSHQNQLIPQ AYISNFHNRL TNEDDGIPIF TMAQQTRQHK RAKVVNYAEY DNDLFDEFNM NGSNFNNADT HYKDNAVSHE NTPALTNGVT MDGSEYNVLE NMNGADSIIS NNKYDAGSNM VVESLSGLNS NNNASNGPSN KAQAQDIGNA VLPDLQDQHH NPFNILRYPK IRDTFINGKV VSPYRLNTDQ ETKANANSGE AIMIPITLDI EHMGHTIKDQ FLWNYNDDSI SPEEFASIYC KDLDMTSATL QTQIANIIKE QLKDLENIAA TEIMSDLHVI INLTCNLQDR FFEDNFQWNL NDKSLTPERF ATSIVQDLGL TREFIPLISQ SLHETILKIK KDWVDGHLIQ DHVPNDAAFG YLSGIRLDID ELGSNWCPRV EILTKEEIQK REIEKERNLR RLKRETDRLS RRGRRRLDDL ETTMRM
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	48,777 Da
Sequence Positions	1-426, full length protein
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 Q06168
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SFH1 recombinant protein	MBS1237450 is a recombinant protein targeting SFH1. Also known as Recombinant Saccharomyces cerevisiae Chromatin structure-remodeling complex subunit SFH1 (SFH1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SFH1 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 SFH1. It may not necessarily be applicable to this product.

NCBI GI #	6323354
NCBI GeneID	851032
NCBI Accession #	NP_013425.1

UniProt Primary Accession #	Q06168
UniProt Secondary Accession #	D6VYW4
UniProt Related Accession #	Q06168
GenBank Nucleotide #	NM_001182210.1
NCBI Official Full Name	Sfh1p
NCBI Official Symbol	SFH1
UniProt Protein Name	Chromatin structure-remodeling complex subunit SFH1
UniProt Synonym Protein Names	RSC complex subunit SFH1; SNF5 homolog 1
Protein Family	Chromatin structure-remodeling complex
UniProt Gene Name	SFH1
NCBI Protein Information	Sfh1p
UniProt Comments for SFH1	Component of the chromatin structure-remodeling complex (RSC), which is involved in transcription regulation and nucleosome positioning. RSC is responsible for the transfer of a histone octamer from a nucleosome core particle to naked DNA. The reaction requires ATP and involves an activated RSC-nucleosome intermediate. Remodeling reaction also involves DNA translocation, DNA twist and conformational change. As a reconfigurer of centromeric and flanking nucleosomes, RSC complex is required both for proper kinetochore function in chromosome segregation and, via a PKC1-dependent signaling pathway, for organization of the cellular cytoskeleton. This subunit is essential for mitotic growth and required for cell cycle progression.
Research Articles on SFH1	**1.** Data suggest that SFH1 and SEC14L undergo conformational changes as phosphatidylinositol/phosphatidylcholine bind to hydrophobic pockets/ligand binding sites. [review-like article]
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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