Histone Acetyltransferase SAS2 (SAS2) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histone acetyltransferase SAS2 (SAS2), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Histone acetyltransferase SAS2 (SAS2)
Product Gene Name	SAS2 recombinant protein
Sequence	MARSLSQSLT ATTQKLKGKK NGGKGKNKPS AKIKKTQKEM LYGILNERNI RQIQFGLNKK FSTWYGSAVY FDPETKRLGC SETKGQLSSV SNSQYWLDTL FVCEYCFKYT DDQTRFVGHV ASCPFQYRVP GKIKYKSPEY TIRRVKGSKY QLFCQCLCLF TKLYLDNKSM YFKVDHYEFY IVYETGSTKP MGFFSKDLVS YQQNNLACIL IFPPYQRRGL GLLLIEFSYK LSQLEGVISG PEVPLSPFGL IGYLKYWSQI LCWHLIEGDL AHYDKVTLED LSIVTGMRVN DVILTLKHLN CIGENNQIYL QSLNSWLKLH GTKRNWFKLK DEYLLIDD
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	39,206 Da
Sequence Positions	1-338, 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 P40963
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SAS2 recombinant protein	MBS1121881 is a recombinant protein targeting SAS2. Also known as Recombinant Saccharomyces cerevisiae Histone acetyltransferase SAS2 (SAS2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SAS2 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 SAS2. It may not necessarily be applicable to this product.

NCBI GI #	6323775
NCBI GeneID	855157
NCBI Accession #	NP_013846.1
UniProt Primary Accession #	P40963
UniProt Secondary Accession #	D6VZV0
UniProt Related Accession #	P40963

GenBank Nucleotide #	NM_001182628.1
NCBI Official Full Name	Sas2p
NCBI Official Symbol	SAS2
NCBI Official Synonym Symbols	KAT8
UniProt Protein Name	Histone acetyltransferase SAS2
UniProt Synonym Protein Names	Something about silencing protein 2
Protein Family	Histone acetyltransferase
UniProt Gene Name	SAS2
UniProt Synonym Gene Names	ESO1
NCBI Protein Information	Sas2p
UniProt Comments for SAS2	Histone acetyltransferase (HAT) subunit of the SAS complex, a multiprotein complex that acetylates 'Lys-16' of histone H4 and 'Lys-14' of histone H3. The SAS complex is however unable to acetylate nucleosomal histones. The complex is involved in transcriptional silencing at telomeres and at HML locus. Also involved in rDNA silencing and G0 control.
Research Articles on SAS2	**1.** Here, we find that Sas2-dependent acetylated histone H4 K16Ac in bulk histones requires passage of the cells through the S-phase of the cell cycle, and the rate of increase in H4 K16Ac depends on both CAF-I and Asf1.
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