U6 Snrna-Associated Sm-Like Protein Lsm6 (LSM6) Kluyveromyces Lactis Recombinant Protein

PRODUCT OVERVIEW

Product Name	U6 snRNA-associated Sm-like protein LSm6 (LSM6), Recombinant Protein
Full Product Name	Recombinant Kluyveromyces lactis U6 snRNA-associated Sm-like protein LSm6 (LSM6)
Product Gene Name	LSM6 recombinant protein
Product Synonym Gene Name	LSM6; KLLA0E02530g
Product Synonym Names	U6 snRNA-associated Sm-like protein LSm6
Sequence	MESKATASGS FLENIIGKPV YVKLFSGILY QGKLESIDGF MNVTMSQVSE HYEAEENGTL HKYPSEVFLR GSQVLYISEK
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	8,953 Da
Sequence Positions	1-80aa; 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 Q6CPS7
Species	Kluyveromyces lactis (strain 8585 / CBS 2359 / DSM 70799 / NBRC 1267 / NRRL Y-1140 / WM37) (Yeast) (Candida sphaerica)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for LSM6 recombinant protein	MBS1488084 is a recombinant protein targeting LSM6. Also known as Recombinant Kluyveromyces lactis U6 snRNA-associated Sm-like protein LSm6 (LSM6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of LSM6 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 LSM6. It may not necessarily be applicable to this product.

NCBI GI #	50308123
NCBI GeneID	2894269
NCBI Accession #	XP_454062.1
UniProt Primary Accession #	Q6CPS7

UniProt Related Accession #	Q6CPS7
GenBank Nucleotide #	XM_454062.1
NCBI Official Full Name	hypothetical protein
NCBI Official Symbol	KLLA0E02575g
UniProt Protein Name	U6 snRNA-associated Sm-like protein LSm6
Protein Family	Probable U6 snRNA-associated Sm-like protein
UniProt Gene Name	LSM6
UniProt Entry Name	LSM6_KLULA
NCBI Protein Information	hypothetical protein
UniProt Comments for LSM6	Component of LSm protein complexes, which are involved in RNA processing and may function in a chaperone-like manner, facilitating the efficient association of RNA processing factors with their substrates. Component of the cytoplasmic LSM1-LSM7 complex, which is thought to be involved in mRNA degradation by activating the decapping step in the 5'-to-3' mRNA decay pathway. Component of the nuclear LSM2-LSM8 complex, which is involved in splicing of nuclear mRNAs. LSM2-LSM8 associates with multiple snRNP complexes containing the U6 snRNA (U4/U6 di-snRNP, spliceosomal U4/U6.U5 tri-snRNP, and free U6 snRNP). It binds directly to the 3'-terminal U-tract of U6 snRNA and plays a role in the biogenesis and stability of the U6 snRNP and U4/U6 snRNP complexes. LSM2-LSM8 probably also is involved degradation of nuclear pre-mRNA by targeting them for decapping, and in processing of pre-tRNAs, pre-rRNAs and U3 snoRNA ().
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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