SWI5-Dependent Ho Expression Protein 2 (SHE2) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	SWI5-dependent HO expression protein 2 (SHE2), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae SWI5-dependent HO expression protein 2 (SHE2)
Product Gene Name	SHE2 recombinant protein
Sequence	MSKDKDIKVT PGTCELVEQI LALLSRYLSS YIHVLNKFIS HLRRVATLRF ERTTLIKFVK KLRFYNDCVL SYNASEFINE GKNELDPEAD SFDKVILPIA SMFVKCVETF DLLNYYLTQS LQKEILSKTL NEDLTLTAES ILAIDDTYNH FVKFSQWMIE SLRIGSNLLD LEVVQFAIKC ADEDGTNIGE TDNIFLQEIL PVNSEEEFQT LSAAWHSILD GKLSALDEEF DVVATKWHDK FGKLKN
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	28,251 Da
Sequence Positions	1-246, 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 P36068
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SHE2 recombinant protein	MBS1251164 is a recombinant protein targeting SHE2. Also known as Recombinant Saccharomyces cerevisiae SWI5-dependent HO expression protein 2 (SHE2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SHE2 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 SHE2. It may not necessarily be applicable to this product.

NCBI GI #	6322719
NCBI GeneID	853728
NCBI Accession #	NP_012792.1
UniProt Primary Accession #	P36068
UniProt Secondary Accession #	D6VX65

UniProt Related Accession #	P36068
GenBank Nucleotide #	NM_001179696.1
NCBI Official Full Name	She2p
NCBI Official Symbol	SHE2
UniProt Protein Name	SWI5-dependent HO expression protein 2
Protein Family	She2p
UniProt Gene Name	SHE2
NCBI Protein Information	She2p
UniProt Comments for SHE2	RNA-binding protein that binds specific mRNAs including the ASH1 mRNA, coding for a repressor of the HO endonuclease. Part of the mRNA localization machinery that restricts accumulation of certain proteins to the bud and in the daughter cell. Recruits the MYO4-SHE3 complex to the ASH1 mRNA. Recruits also LOC1 and PUF6 to ASH1 mRNA, which are required for translational repression of this mRNA.
Research Articles on SHE2	**1.** Combining RNA- and membrane-binding features makes She2p an ideal coordinator of ER tubule and mRNA cotransport.
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