Ribosome-Associated Complex Subunit SSZ1 (SSZ1) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribosome-associated complex subunit SSZ1 (SSZ1), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Ribosome-associated complex subunit SSZ1 (SSZ1) , partial
Product Gene Name	SSZ1 recombinant protein
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	58,238 Da
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 P38788
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SSZ1 recombinant protein	MBS1257844 is a recombinant protein targeting SSZ1. Also known as Recombinant Saccharomyces cerevisiae Ribosome-associated complex subunit SSZ1 (SSZ1) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SSZ1 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 SSZ1. It may not necessarily be applicable to this product.

NCBI GI #	37362658
NCBI GeneID	856461
NCBI Accession #	NP_011931.2
UniProt Primary Accession #	P38788
UniProt Secondary Accession #	Q6B1F3; Q6TQT7; Q6TQT8; D3DL13
UniProt Related Accession #	P38788
GenBank Nucleotide #	NM_001179194.1
NCBI Official Full Name	Ssz1p
NCBI Official Symbol	SSZ1

NCBI Official Synonym Symbols	PDR13
UniProt Protein Name	Ribosome-associated complex subunit SSZ1
UniProt Synonym Protein Names	DnaK-related protein SSZ1; Heat shock protein 70 homolog SSZ1; Pleiotropic drug resistance protein 13
Protein Family	Ribosome-associated complex
UniProt Gene Name	SSZ1
UniProt Synonym Gene Names	PDR13
NCBI Protein Information	Ssz1p
UniProt Comments for SSZ1	Component of the ribosome-associated complex (RAC), a heterodimeric chaperone complex involved in regulation of accurate translation termination and in folding or maintaining nascent polypeptides in a folding-competent state. RAC stimulates the ATPase activity of the ribosome-associated pool of Hsp70-type chaperones SSB1/SSB2 that bind to the nascent polypeptide chain. SSZ1 is required for ZUO1 to function efficiently as a J-protein for SSB1/SSB2. Also involved in pleiotropic drug resistance by post-translational activation of transcription factor PDR1.
Research Articles on SSZ1	**1.** Ssz1 is catalytically inert and cannot adopt the closed conformation, but the substrate binding domain beta is completed by Zuo1.
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