Mannosyl Phosphorylinositol Ceramide Synthase SUR1 (SUR1) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mannosyl phosphorylinositol ceramide synthase SUR1 (SUR1), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Mannosyl phosphorylinositol ceramide synthase SUR1 (SUR1), partial
Product Gene Name	SUR1 recombinant protein
Sequence	TLC IDDTVKDAIL EEDLNPDAPP KPQLIPKIIH QTYKTEDIPE HWKEGRQKCL DLHPDYKYIL WTDEMAYEFI KEEYPWFLDT FENYKYPIER ADAIRYFILS HYGGVYIDLD DGCERKLDPL LAFPAFLRKT SPLGVSNDVM GSVPRHPFFL KALKSLKHYD KYWFIPYMTI MGSTGPLFLS VIWKQYKRWR IPKNGTVRIL QPAYYKMHSY SFFSITKGSS WHLDDAKLMK ALENHILSC
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	44,808 Da
Sequence Positions	28-269
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 P33300
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SUR1 recombinant protein	MBS1221214 is a recombinant protein targeting SUR1. Also known as Recombinant Saccharomyces cerevisiae Mannosyl phosphorylinositol ceramide synthase SUR1 (SUR1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SUR1 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 SUR1. It may not necessarily be applicable to this product.

NCBI GI #	6325200
NCBI GeneID	856050
NCBI Accession #	NP_015268.1
UniProt Primary Accession #	P33300
UniProt Secondary Accession #	D6W3V7

UniProt Related Accession #	P33300
GenBank Nucleotide #	NM_001183871.1
NCBI Official Full Name	mannosylinositol phosphorylceramide synthase catalytic subunit SUR1
NCBI Official Symbol	SUR1
NCBI Official Synonym Symbols	BCL21; CSG1; LPE15
UniProt Protein Name	Mannosyl phosphorylinositol ceramide synthase SUR1
Protein Family	Mannosyl phosphorylinositol ceramide synthase
UniProt Gene Name	SUR1
UniProt Synonym Gene Names	BCL21; CSG1; LPE15
NCBI Protein Information	mannosylinositol phosphorylceramide synthase catalytic subunit SUR1
UniProt Comments for SUR1	Involved in the synthesis of mannosyl phosphorylinositol ceramide. Catalyzes the addition of mannosyl to phosphorylinositol ceramide. Suppressor of RVS161 mutation.
Research Articles on SUR1	**1.** Csg2 has several regulatory functions for Csg1 and Csh1, including stability, transport, and gene expression
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