Probable UTP--Glucose-1-Phosphate Uridylyltransferase Yngb (yngB) Bacillus Subtilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable UTP--glucose-1-phosphate uridylyltransferase yngB (yngB), Recombinant Protein
Full Product Name	Recombinant Bacillus subtilis Probable UTP--glucose-1-phosphate uridylyltransferase yngB (yngB)
Product Gene Name	yngB recombinant protein
Sequence	KEMLPIVDKP AIQYIVEEAA ESGIEDILII TGRNKRSIED HFDRSAELEF NLREKGKTET LKEMQQIADL ANIHYIRQKE PLGLGHAVLC AEHFIGDEPF AVLLGDDIMV SETPALRQLM DVYDVYGTEV VGVQSVLPED VSKYGIINTS GSQGHVYEVN DLVEKPSPEE APSEIAVMGR YVLNSSIFSV LKTIGRGAGN EIQLTDALRE VCRKEPIHAR LLEGNRYDIG DKLGCFKAST EIGLMRPEMR SQLLAYLEDV IKRETKEMLR
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	33,147 Da
Sequence Positions	28-297, 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 O31822
Species	Bacillus subtilis (strain 168)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for yngB recombinant protein	MBS1230486 is a recombinant protein targeting yngB. Also known as Recombinant Bacillus subtilis Probable UTP--glucose-1-phosphate uridylyltransferase yngB (yngB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of yngB 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 yngB. It may not necessarily be applicable to this product.

NCBI GI #	16078879
NCBI GeneID	936791
NCBI Accession #	NP_389700.1
UniProt Primary Accession #	O31822
UniProt Related Accession #	O31822

GenBank Nucleotide #	NC_000964.3
NCBI Official Full Name	UTP--glucose-1-phosphate uridylyltransferase YngB
NCBI Official Symbol	yngB
UniProt Protein Name	Probable UTP--glucose-1-phosphate uridylyltransferase YngB
UniProt Synonym Protein Names	Alpha-D-glucosyl-1-phosphate uridylyltransferase; UDP-glucose pyrophosphorylase; UDPGP; Uridine diphosphoglucose pyrophosphorylase
Protein Family	Probable UTP--glucose-1-phosphate uridylyltransferase
UniProt Gene Name	yngB
UniProt Synonym Gene Names	UDPGP
NCBI Protein Information	UTP--glucose-1-phosphate uridylyltransferase YngB
UniProt Comments for yngB	Catalyzes the formation of UDP-glucose from glucose-1-phosphate and UTP. This is an intermediate step in the biosynthesis of diglucosyl-diacylglycerol (Glc2-DAG) ().
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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