Lipid-A-Disaccharide Synthase (lpxB) Prochlorococcus Marinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lipid-A-disaccharide synthase (lpxB), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus Lipid-A-disaccharide synthase (lpxB)
Product Gene Name	lpxB recombinant protein
Product Synonym Gene Name	lpxB
Sequence	MVRLLISTGE VSGDLQGSLL IQALQREVER RSLPLELMAL GGPRMQASGA ELLADTAPMG AIGLWEALPL VLPTLRLQSR VDHVLKQRPP DAVVLIDYMG ANVRLGHKLR RWFPRVPIIY YIAPQEWAWR FGDGGTTQLL SFTDRILAIF PVEAEFYSQR GAKVTWVGHP LLDTVSVLPD RQQARERLGL KPGQRLLLLL PASRQQELRY LMPTLAKAAA LLQQRDQSLE VIVPAGLASF EKSLQEALEA AAVRGRVLSA QQADELKPML YAAADLALGK SGTVNMEMAL RGVPQVVGYK VSRITAFVAR HFLRFRVEHI SPVNLLLKER LVPELLQDEL TAEALVQAAI PLLEDPAQRN EMLEGYRRLR QTLGVPGVTD RAAKEILDLT KT
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	43,534 Da
Sequence Positions	1-392, 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 Q7V5X6
Species	Prochlorococcus marinus (strain MIT 9313)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lpxB recombinant protein	MBS1449529 is a recombinant protein targeting lpxB. Also known as Recombinant Prochlorococcus marinus Lipid-A-disaccharide synthase (lpxB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lpxB 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 lpxB. It may not necessarily be applicable to this product.

NCBI GI #	499443313
NCBI Accession #	WP_011130777.1
UniProt Primary Accession #	Q7V5X6
GenBank Nucleotide #	WP_011130777.1

NCBI Official Full Name	lipid-A-disaccharide synthase
UniProt Protein Name	Lipid-A-disaccharide synthase
Protein Family	Lipid-A-disaccharide synthase
UniProt Gene Name	lpxB
UniProt Comments for lpxB	Condensation of UDP-2,3-diacylglucosamine and 2,3-diacylglucosamine-1-phosphate to form lipid A disaccharide, a precursor of lipid A, a phosphorylated glycolipid that anchors the lipopolysaccharide to the outer membrane of the cell.
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