Lipid-A-Disaccharide Synthase (lpxB) Myxococcus Xanthus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lipid-A-disaccharide synthase (lpxB), Recombinant Protein
Full Product Name	Recombinant Myxococcus xanthus Lipid-A-disaccharide synthase (lpxB)
Product Gene Name	lpxB recombinant protein
Product Synonym Gene Name	lpxB
Sequence	MTNPPRILVV AGEASGDTHA AELVAALRAR RPDLTFFGMG GARLAAQGVE LLFDAREVSV MGITEVLPRI PRILQILKGL AEAAAERKPD VAILVDIPDF NLRLAKKLKA LGVPVAYYVS PMIWAWRRGR VRTIKRLVDR MLCILPFEED FYREAGVSAR YVGSPVVEQV PSPDTATAFR ERLGLSKDAP TLALLPGSRM GEIRRLLPDM VEAAKRLSAE RPGLQVVVPL APTIDREEIT SRFEGSGVTP ILVEGRAPEV VGASDAAVVA SGTAVLEAGL MQRPLVVVYR VSLITYWVGR LMLKVAFVSL INLLAGRRVV PELLQGEMTP ERIAEEVRRV WIPGAPREEM LQGLAEMRGR LGETGAATRA AESVLELLPP GRV
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	41,692 Da
Sequence Positions	1-383, 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 Q1D393
Species	Myxococcus xanthus (strain DK 1622)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lpxB recombinant protein	MBS1325008 is a recombinant protein targeting lpxB. Also known as Recombinant Myxococcus xanthus 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 #	499873971
NCBI Accession #	WP_011554705.1
UniProt Primary Accession #	Q1D393
GenBank Nucleotide #	WP_011554705.1

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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