UDP-3-O-[3-Hydroxymyristoyl] N-Acetylglucosamine Deacetylase (lpxC) Polynucleobacter Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase (lpxC), Recombinant Protein
Full Product Name	Recombinant Polynucleobacter sp. UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase (lpxC)
Product Gene Name	lpxC recombinant protein
Sequence	MMKQRTIAAP VKTVGIGLHS GRKVTIVIKP APINSGVQFV RIDTPEQSVV PATALAVCDT RLASVIQKDG VRVSTVEHLL SACAGLGLDN LLIELDGEEV PIMDGSAASF LFLIESAGIA EQEAPRQFVV IKKAVEVREG DKLARLEPFF GFKLDFTIDF KHPAVDKTGQ RFIVDFAEHA YRSEIGRART FGFAHEVEAL REMGLARGGS LDNAIVLDEH RILNNEELRY EDEFVRHKIL DAIGDLYLIG HPIVGAYIAE KSGHALNNAL LRKLLDDPST YEISSFAENK APAAYSQENQ PLFF
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	33,423 Da
Sequence Positions	1-304, 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 A4SV81
Species	Polynucleobacter sp. (strain QLW-P1DMWA-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lpxC recombinant protein	MBS1225886 is a recombinant protein targeting lpxC. Also known as Recombinant Polynucleobacter sp. UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase (lpxC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lpxC 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 lpxC. It may not necessarily be applicable to this product.

NCBI GI #	500232427
NCBI Accession #	WP_011902020.1
UniProt Primary Accession #	A4SV81
GenBank Nucleotide #	WP_011902020.1

NCBI Official Full Name	UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase
UniProt Protein Name	UDP-3-O-acyl-N-acetylglucosamine deacetylase
UniProt Synonym Protein Names	UDP-3-O-[R-3-hydroxymyristoyl]-N-acetylglucosamine deacetylase
Protein Family	UDP-3-O-acyl-N-acetylglucosamine deacetylase
UniProt Gene Name	lpxC
UniProt Synonym Gene Names	UDP-3-O-acyl-GlcNAc deacetylase
UniProt Comments for lpxC	Catalyzes the hydrolysis of UDP-3-O-myristoyl-N-acetylglucosamine to form UDP-3-O-myristoylglucosamine and acetate, the committed step in lipid A biosynthesis.
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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