UDP-3-O-[3-Hydroxymyristoyl] N-Acetylglucosamine Deacetylase (lpxC) Cyanidium Caldarium Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase (lpxC), Recombinant Protein
Full Product Name	Recombinant Cyanidium caldarium UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase (lpxC)
Product Gene Name	lpxC recombinant protein
Product Synonym Gene Name	lpxC
Sequence	MYNYTIYHPV KISGRGLYTG INSTITIYPE LPHVGIYFLR TDLTDYPIVP IIPSTLLVLN SKLSTVLGFH DDYSIMLIEH LMSAISLSQL TDLKIILEGP EIPILDGSSI IWLKLLQQAK IYITSLSNCI IFKSSCTFFI QTKDTFIISF PYTSLAINTG IDFKNCLAIK SQWITILDLL INRFELVGIA SSRTFGDFNQ INILINEGFF QGANLYNALA FQLGNWCNGP LRFICEPAKH KVLDLIGDLR LLGVYNMFFL IGYKTNHFVN SQLVQFFKKL DK
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	32,017 Da
Sequence Positions	1-282, 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 Q9TLX3
Species	Cyanidium caldarium
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lpxC recombinant protein	MBS1344164 is a recombinant protein targeting lpxC. Also known as Recombinant Cyanidium caldarium 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 #	11465464
NCBI GeneID	800205
NCBI Accession #	NP_045145.1
UniProt Primary Accession #	Q9TLX3

UniProt Related Accession #	Q9TLX3
GenBank Nucleotide #	NC_001840.1
NCBI Official Full Name	UDP-3-0-acyl N-acetylglucosamine deacetylase (chloroplast)
NCBI Official Symbol	lpxC
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
NCBI Protein Information	UDP-3-0-acyl N-acetylglucosamine deacetylase
UniProt Comments for lpxC	Catalyzes the hydrolysis of UDP-3-O-myristoyl-N-acetylglucosamine to form UDP-3-O-myristoylglucosamine and acetate. Involved in the biosynthesis of lipid A, a phosphorylated glycolipid that in bacteria anchors the lipopolysaccharide to the outer membrane of the cell. The target for the lipopolysaccharides produced in the chloroplast could either be the cell envelope of the eukaryote or the plastid membrane.
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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