UDP-2,3-Diacylglucosamine Hydrolase (lpxH) Salmonella Choleraesuis Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-2,3-diacylglucosamine hydrolase (lpxH), Recombinant Protein
Full Product Name	Recombinant Salmonella choleraesuis UDP-2,3-diacylglucosamine hydrolase (lpxH)
Product Gene Name	lpxH recombinant protein
Product Synonym Gene Name	lpxH
Sequence	MATLFIADLH LQTEEPAIVA GFLRFLAVEA RQADALYILG DLFEAWIGDD DPNPLHREMA VAIKSLVDSG VPCFFIHGNR DFLIGKRFAR ESGMILLPQE KVLDLYGRNV LIMHGDTLCT DDAGYQAFRA KVHNPWVQRL FLTLPLFIRR RIAARMRAGS KAANSSKSLD IMDVNAQTVV AEMEKHRVQW LVHGHTHRPA VHELSVNDQP AFRVVLGAWH HEGSMVKVTP DNVELIAFPL
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	26,992 Da
Sequence Positions	1-240, 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 Q57S31
Species	Salmonella choleraesuis (strain SC-B67)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lpxH recombinant protein	MBS1423122 is a recombinant protein targeting lpxH. Also known as Recombinant Salmonella choleraesuis UDP-2,3-diacylglucosamine hydrolase (lpxH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lpxH 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 lpxH. It may not necessarily be applicable to this product.

NCBI GI #	446134432
NCBI Accession #	WP_000212287.1
UniProt Primary Accession #	Q57S31
GenBank Nucleotide #	WP_000212287.1

NCBI Official Full Name	UDP-2,3-diacylglucosamine hydrolase
UniProt Protein Name	UDP-2,3-diacylglucosamine hydrolase
UniProt Synonym Protein Names	UDP-2,3-diacylglucosamine diphosphatase
Protein Family	UDP-2,3-diacylglucosamine hydrolase
UniProt Gene Name	lpxH
UniProt Comments for lpxH	Hydrolyzes the pyrophosphate bond of UDP-2,3-diacylglucosamine to yield 2,3-diacylglucosamine 1-phosphate (lipid X) and UMP by catalyzing the attack of water at the alpha-P atom. Involved in the biosynthesis of lipid A, a phosphorylated glycolipid that anchors the lipopolysaccharide to the outer membrane of the cell.
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