Acyl-[Acyl-Carrier-Protein]--UDP-N-Acetylglucosamine O-Acyltransferase (lpxA) Salmonella Enteritidis PT4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acyl-[acyl-carrier-protein]--UDP-N-acetylglucosamine O-acyltransferase (lpxA), Recombinant Protein
Full Product Name	Recombinant Salmonella enteritidis PT4 Acyl-[acyl-carrier-protein]--UDP-N-acetylglucosamine O-acyltransferase (lpxA)
Product Gene Name	lpxA recombinant protein
Sequence	MIDKSAFIHP TAIVEDGAVI GANAHIGPFC IVGPQVEIGE GTVLKSHVVV NGQTKIGRDN EIYQFASIGE VNQDLKYAGE PTRVEIGDRN RIRESVTIHR GTVQGGGLTK VGSDNLLMIN AHVAHDCTVG NRCILANNAT LAGHVSVDDF AIIGGMTAVH QFCIIGAHVM VGGCSGVAQD VPPYVIAQGN HATPFGVNIE GLKRRGFSRE GLVAIRNAYK LLYRSGKTLD EAKLEIAELA EKHPEVKAFT EFFERSTRGP IR
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	28,089 Da
Sequence Positions	1-262, 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 B5R420
Species	Salmonella enteritidis PT4 (strain P125109)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lpxA recombinant protein	MBS1224145 is a recombinant protein targeting lpxA. Also known as Recombinant Salmonella enteritidis PT4 Acyl-[acyl-carrier-protein]--UDP-N-acetylglucosamine O-acyltransferase (lpxA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lpxA 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 lpxA. It may not necessarily be applicable to this product.

NCBI GI #	446488096
NCBI Accession #	WP_000565950.1
UniProt Primary Accession #	B5R420
GenBank Nucleotide #	WP_000565950.1

NCBI Official Full Name	acyl-[acyl-carrier-protein]--UDP-N-acetylglucosamine O-acyltransferase
UniProt Protein Name	Acyl-[acyl-carrier-protein]--UDP-N-acetylglucosamine O-acyltransferase
Protein Family	Acyl-[acyl-carrier-protein]--UDP-N-acetylglucosamine O-acyltransferase
UniProt Gene Name	lpxA
UniProt Synonym Gene Names	UDP-N-acetylglucosamine acyltransferase
UniProt Comments for lpxA	Involved in the biosynthesis of lipid A, a phosphorylated glycolipid that anchors the lipopolysaccharide to the outer membrane of the cell.
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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