# Lipid-A-Disaccharide Synthase (lpxB) Helicobacter Pylori Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Lipid-A-disaccharide synthase (lpxB), Recombinant Protein |
| **Full Product Name** | Recombinant Helicobacter pylori Lipid-A-disaccharide synthase (lpxB) |
| **Product Gene Name** | lpxB recombinant protein |
| **Sequence** | MPTILVSALE ASSNMHLEEL HRNLPEDYRF IGVFEGKNAL YSPREFSIMG FRDVIGRLGF LLKAHKEMVQ LAKQADMVLL MDSSSFNIPL AKKIKKQDPH KKIMYYILPQ VWAWKKWRAK SLEKYCDFLG AILPFEVGYY QKKAQYVGHP LLDEIKYYKK DIKGETLVFM PGSRKSEIAK MFPLFVKVAQ ILEQNEGFKR RVLVVPSFFK GLDLKALYGE DIQLFEISYD AHKSLFEAEF AFICSGTATL EAALIGTPFV LAYRAKTMDF LIARMLVNLH YIGLANIFYN ALNDETPGLG ESQLHPELIQ HFLSVEGLLK AYEEMDRERY FKESLRLREY LKHGSARKIA NEMAFLLNLT |
| **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** | 41,582 Da |
| **Sequence Positions** | 1-360, 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 B5Z7M7 |
| **Species** | Helicobacter pylori (strain G27) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for lpxB recombinant protein** | MBS1259253 is a recombinant protein targeting lpxB. Also known as Recombinant Helicobacter pylori 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.

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| **NCBI GI #** | 447064979 |
| **NCBI Accession #** | WP_001142235.1 |
| **UniProt Primary Accession #** | B5Z7M7 |
| **GenBank Nucleotide #** | WP_001142235.1 |
| **NCBI Official Full Name** | lipid-A-disaccharide synthase |

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|---|---|
| **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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