# UDP-3-O-Acylglucosamine N-Acyltransferase (lpxD) Pseudomonas Syringae Pv. Phaseolicola Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | UDP-3-O-acylglucosamine N-acyltransferase (lpxD), Recombinant Protein |
| **Full Product Name** | Recombinant Pseudomonas syringae pv. phaseolicola UDP-3-O-acylglucosamine N-acyltransferase (lpxD) |
| **Product Gene Name** | lpxD recombinant protein |
| **Product Synonym Gene Name** | lpxD |
| **Sequence** | MSITIKLGQL AEFLGATLRG DKDKDITGLA ALQEAGPGQI SFLAKSQYRK FLVDAQAAAV LLKPADADSY TGDALLVPDP YLAYARISHF FDPKPKGVAG VHPTAVIADD AQVDPAASIG AFVVIESGAR IAAGVTIGAH SFIGARCEIG EGGWLAPRVT LYHDVRIGKH VVIQSGAVLG GEGFGFANEK GVWQKIAQIG GVTLGDDVEV GVNTAIDRGA LADTRIGNGV KLDNQIQIAH NVQVGDHTAM AACVGISGST KIGKHCMLAG GVGLVGHIDI CDGVYITGMT MVTHSITEPG SYSSGTAMQP AAEWRKSAAR LRKIDDMARR LQKLEKAVET VTCADNRSSD G |
| **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** | 36,557 Da |
| **Sequence Positions** | 1-351, 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 Q48F69 |
| **Species** | Pseudomonas syringae pv. phaseolicola (strain 1448A / Race 6) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for lpxD recombinant protein** | MBS1477995 is a recombinant protein targeting lpxD. Also known as Recombinant Pseudomonas syringae pv. phaseolicola UDP-3-O-acylglucosamine N-acyltransferase (lpxD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of lpxD 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 lpxD. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499482653 |
| **NCBI Accession #** | WP_011169293.1 |
| **UniProt Primary Accession #** | Q48F69 |

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| **GenBank Nucleotide #** | WP_011169293.1 |
| **NCBI Official Full Name** | MULTISPECIES: UDP-3-O-(3-hydroxymyristoyl)glucosamine N-acyltransferase |
| **UniProt Protein Name** | UDP-3-O-acylglucosamine N-acyltransferase |
| **Protein Family** | UDP-3-O-(3-hydroxymyristoyl)glucosamine N-acyltransferase |
| **UniProt Gene Name** | lpxD |
| **UniProt Comments for lpxD** | Catalyzes the N-acylation of UDP-3-O-acylglucosamine using 3-hydroxyacyl-ACP as the acyl donor. Is 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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