# LPS-Assembly Lipoprotein Lpte (lptE) Escherichia Coli O157:h7 Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | LPS-assembly lipoprotein lptE (lptE), Recombinant Protein |
| **Full Product Name** | Recombinant Escherichia coli O157:H7 LPS-assembly lipoprotein lptE (lptE) |
| **Product Gene Name** | lptE recombinant protein |
| **Product Synonym Gene Name** | lptE |
| **Sequence** | CGWHLRDTTQ VPSTMKVMIL DSGDPNGPLS RAVRNQLRLN GVELLDKETT RKDVPSLRLG AVSISQDTAS VFRNGQTAEY QMVMTVSASV LIPGRDIYPI STKVFRSFFD NPQMALAKDN EQEMIIKEMY DRAAEQLIRK LPSIRAADIR SDEEQTSTTT DTPATPARVS TTLGN |
| **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** | 21,318 Da |
| **Sequence Positions** | 19-193, 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 Q8XBN9 |
| **Species** | Escherichia coli O157:H7 |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for lptE recombinant protein** | MBS1325960 is a recombinant protein targeting lptE. Also known as Recombinant Escherichia coli O157:H7 LPS-assembly lipoprotein lptE (lptE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of lptE 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 lptE. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 15829933 |
| **NCBI GeneID** | 917040 |
| **NCBI Accession #** | NP_308706.1 |
| **UniProt Primary Accession #** | Q8XBN9 |
| **UniProt Secondary Accession #** | Q7AGP2 |
| **GenBank Nucleotide #** | NC_002695.1 |

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| **NCBI Official Full Name** | LPS-assembly lipoprotein RlpB |
| **NCBI Official Symbol** | ECs0679 |
| **UniProt Protein Name** | LPS-assembly lipoprotein LptE |
| **Protein Family** | LPS-assembly lipoprotein |
| **UniProt Gene Name** | lptE |
| **NCBI Protein Information** | LPS-assembly lipoprotein RlpB |
| **UniProt Comments for lptE** | Together with LptD, is involved in the assembly of lipopolysaccharide (LPS) at the surface of the outer membrane. Required for the proper assembly of LptD. Binds LPS and may serve as the LPS recognition site at the outer membrane. |
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