# Outer-Membrane Lipoprotein Carrier Protein (lolA) Bordetella Avium Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Outer-membrane lipoprotein carrier protein (lolA), Recombinant Protein |
| **Full Product Name** | Recombinant Bordetella avium Outer-membrane lipoprotein carrier protein (lolA) |
| **Product Gene Name** | lolA recombinant protein |
| **Product Synonym Gene Name** | lolA |
| **Sequence** | DGAQDQLKAF VAKVQSATGD FTQSTVGPQG RTQPAQSGSF AFQRPGKFKW AVARPYEQLV ISDGKQVYQY DPDLAQVTER KVDQAIGTSP AAILFGSGDL DKAFHVSPLP DRDGLQWLRA KPRNADAGFS QVDIAMNGDL PARVELLDAF GQTTRVDLSN IQANPKLPAA EFHFTAPSGV DVVKM |
| **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** | 22,456 Da |
| **Sequence Positions** | 25-209, 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 Q2KWE1 |
| **Species** | Bordetella avium (strain 197N) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for lolA recombinant protein** | MBS1355182 is a recombinant protein targeting lolA. Also known as Recombinant Bordetella avium Outer-membrane lipoprotein carrier protein (lolA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of lolA 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 lolA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 501386770 |
| **NCBI Accession #** | WP_012418336.1 |
| **UniProt Primary Accession #** | Q2KWE1 |
| **GenBank Nucleotide #** | WP_012418336.1 |
| **NCBI Official Full Name** | outer-membrane lipoprotein carrier protein LolA |
| **UniProt Protein Name** | Outer-membrane lipoprotein carrier protein |

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| **Protein Family** | Longitudinals lacking protein |
| **UniProt Gene Name** | lolA |
| **UniProt Comments for lolA** | Participates in the translocation of lipoproteins from the inner membrane to the outer membrane. Only forms a complex with a lipoprotein if the residue after the N-terminal Cys is not an aspartate (The Asp acts as a targeting signal to indicate that the lipoprotein should stay in the inner membrane). |
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