# 1,4-Dihydroxy-2-Naphthoyl-Coa Synthase (menB) Staphylococcus Aureus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | 1,4-Dihydroxy-2-naphthoyl-CoA synthase (menB), Recombinant Protein |
| **Full Product Name** | Recombinant Staphylococcus aureus 1,4-Dihydroxy-2-naphthoyl-CoA synthase (menB) |
| **Product Gene Name** | menB recombinant protein |
| **Product Synonym Gene Name** | menB |
| **Sequence** | MTNRQWETLR EYDEIKYEFY EGIAKVTINR PEVRNAFTPK TVSEMIDAFS RARDDQNVSV IVLTGEGDLA FCSGGDQKKR GHGGYVGEDQ IPRLNVLDLQ RLIRIIPKPV IAMVKGYAVG GGNVLNVVCD LTIAADNAIF GQTGPKVGSF DAGYGSGYLA RIVGHKKARE IWYLCRQYNA QEALDMGLVN TVVPLEKVED ETVQWCKEIM KHSPTALRFL KAAMNADTDG LAGLQQMAGD ATLLYYTTDE AKEGRDAFKE KRDPDFDQFP KFP |
| **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** | 30,442 Da |
| **Sequence Positions** | 1-273, 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 Q8NXA0 |
| **Species** | Staphylococcus aureus (strain MW2) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for menB recombinant protein** | MBS1355588 is a recombinant protein targeting menB. Also known as Recombinant Staphylococcus aureus 1,4-Dihydroxy-2-naphthoyl-CoA synthase (menB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of menB 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 menB. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 446107098 |
| **NCBI Accession #** | WP_000184953.1 |
| **UniProt Primary Accession #** | Q8NXA0 |
| **GenBank Nucleotide #** | WP_000184953.1 |

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| **NCBI Official Full Name** | MULTISPECIES: 1,4-dihydroxy-2-naphthoyl-CoA synthase |
| **UniProt Protein Name** | 1,4-dihydroxy-2-naphthoyl-CoA synthase |
| **Protein Family** | 1,4-dihydroxy-2-naphthoyl-CoA synthase |
| **UniProt Gene Name** | menB |
| **UniProt Synonym Gene Names** | DHNA-CoA synthase |
| **UniProt Comments for menB** | Converts o-succinylbenzoyl-CoA (OSB-CoA) to 1,4-dihydroxy-2-naphthoyl-CoA (DHNA-CoA). |
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