# (3r)-Hydroxymyristoyl-[Acyl-Carrier-Protein] Dehydratase (fabZ) Pseudomonas Syringae Pv. Phaseolicola Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | (3R)-hydroxymyristoyl-[acyl-carrier-protein] dehydratase (fabZ), Recombinant Protein |
| **Full Product Name** | Recombinant Pseudomonas syringae pv. phaseolicola (3R)-hydroxymyristoyl-[acyl-carrier-protein] dehydratase (fabZ) |
| **Product Gene Name** | fabZ recombinant protein |
| **Product Synonym Gene Name** | fabZ |
| **Sequence** | MMDIKEIREY LPHRYPFLLV DRVTELDIEN KNIRAYKNVS VNEPFFNGHF PEHPIMPGVL IIEAMAQAAG ILAFKMLDSK PSDGTLYYFV GSDKLRFRQP VLPGDQLVLE AKFLSSKRQI WKFECKATVD GKAVCSAEII CAERKL |
| **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** | 16,722 Da |
| **Sequence Positions** | 1-146, 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 Q48F70 |
| **Species** | Pseudomonas syringae pv. phaseolicola (strain 1448A / Race 6) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for fabZ recombinant protein** | MBS1339130 is a recombinant protein targeting fabZ. Also known as Recombinant Pseudomonas syringae pv. phaseolicola (3R)-hydroxymyristoyl-[acyl-carrier-protein] dehydratase (fabZ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of fabZ 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 fabZ. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 488617870 |
| **NCBI Accession #** | WP_002554719.1 |
| **UniProt Primary Accession #** | Q48F70 |
| **GenBank Nucleotide #** | WP_002554719.1 |

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| **NCBI Official Full Name** | MULTISPECIES: beta-hydroxyacyl-ACP dehydratase |
| **UniProt Protein Name** | 3-hydroxyacyl-[acyl-carrier-protein] dehydratase FabZ |
| **UniProt Synonym Protein Names** | (3R)-hydroxymyristoyl-[acyl-carrier-protein] dehydratase |
| **Protein Family** | 3-hydroxyacyl-[acyl-carrier-protein] dehydratase |
| **UniProt Gene Name** | fabZ |
| **UniProt Synonym Gene Names** | (3R)-hydroxymyristoyl-ACP dehydrase |
| **UniProt Comments for fabZ** | Involved in unsaturated fatty acids biosynthesis. Catalyzes the dehydration of short chain beta-hydroxyacyl-ACPs and long chain saturated and unsaturated beta-hydroxyacyl-ACPs. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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