(3r)-Hydroxymyristoyl-[Acyl-Carrier-Protein] Dehydratase (fabZ) Lawsonia Intracellularis Recombinant Protein

PRODUCT OVERVIEW

Product Name	(3R)-hydroxymyristoyl-[acyl-carrier-protein] dehydratase (fabZ), Recombinant Protein
Full Product Name	Recombinant Lawsonia intracellularis (3R)-hydroxymyristoyl-[acyl-carrier-protein] dehydratase (fabZ)
Product Gene Name	fabZ recombinant protein
Product Synonym Gene Name	fabZ
Sequence	MSHPLPPNIQ EILQLLPHRY PFLLVDRVIE FNAGKYIKAY KNVSINEPFF QGHFPGFPVM PGVLILEAMA QSGGITVLQS FPINELQGKV FLFAGIENVK FRQQVIPGDQ LILECEIIRH KLQLWKMSCQ AFVNNKLVAE AILTAAMTNK ENF
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	17,350 Da
Sequence Positions	1-153, 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 Q1MPK3
Species	Lawsonia intracellularis (strain PHE/MN1-00)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fabZ recombinant protein	MBS1385896 is a recombinant protein targeting fabZ. Also known as Recombinant Lawsonia intracellularis (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.

NCBI GI #	499846369
NCBI Accession #	WP_011527103.1
UniProt Primary Accession #	Q1MPK3
GenBank Nucleotide #	WP_011527103.1
NCBI Official Full Name	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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Online datasheet: https://www.mybiosource.com/recombinant-protein/3r-hydroxymyristoyl-acyl-carrier-protein-dehydratase-fabz/1385896