(3r)-Hydroxymyristoyl-[Acyl-Carrier-Protein] Dehydratase (fabZ) Streptococcus Agalactiae Serotype Ia Recombinant Protein

PRODUCT OVERVIEW

Product Name	(3R)-hydroxymyristoyl-[acyl-carrier-protein] dehydratase (fabZ), Recombinant Protein
Full Product Name	Recombinant Streptococcus agalactiae serotype Ia (3R)-hydroxymyristoyl-[acyl-carrier-protein] dehydratase (fabZ)
Product Gene Name	fabZ recombinant protein
Product Synonym Gene Name	fabZ
Sequence	MIDIKEIREA LPHRYPMLLV DRVLEVSEDE IVAIKNVSIN EPFFNGHFPE YPVMPGVLIM EALAQTAGVL ELSKEENKGK LVFYAGMDKV KFKKQVVPGD QLVMTAKFVK RRGTIAVVEA IAEVDGKLAA SGTLTFAIGN
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	15,445 Da
Sequence Positions	1-140, 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 Q3K331
Species	Streptococcus agalactiae serotype Ia
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fabZ recombinant protein	MBS1374315 is a recombinant protein targeting fabZ. Also known as Recombinant Streptococcus agalactiae serotype Ia (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 #	446487576
NCBI Accession #	WP_000565430.1
UniProt Primary Accession #	Q3K331
GenBank Nucleotide #	WP_000565430.1
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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