Pimelyl-[Acyl-Carrier Protein] Methyl Ester Esterase (bioH) Xanthomonas Campestris Pv. Campestris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pimelyl-[acyl-carrier protein] methyl ester esterase (bioH), Recombinant Protein
Full Product Name	Recombinant Xanthomonas campestris pv. campestris Pimelyl-[acyl-carrier protein] methyl ester esterase (bioH)
Product Gene Name	bioH recombinant protein
Product Synonym Gene Name	bioH
Sequence	MHIDVIGHGP ALVLLHGWAL HGGVFAPLVE RLAPHYQLHL VDLPGHGFSH DDTTPLALPH VVAAIAAATP AAVWVGWSLG GLFALHAAAT QPQVRALAMI AATPRFVRGS DWPDAVEREV FVQFGQDLAR DYRGTLDRFL ALDTLGSAHA RSELRSLRET LTARGEPAAS ALQDGLGLLE RTDLRRALAT LARPSLWIAG QRDRLVPAAG MHAAAARAPH AQALTIDGGG HAPFLGHADQ VAEALHRFVA ALP
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	26,850 Da
Sequence Positions	1-253, 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 Q8PDF3
Species	Xanthomonas campestris pv. campestris (strain 33913 / NCPPB 528 / LMG 568)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bioH recombinant protein	MBS1480098 is a recombinant protein targeting bioH. Also known as Recombinant Xanthomonas campestris pv. campestris Pimelyl-[acyl-carrier protein] methyl ester esterase (bioH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bioH 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 bioH. It may not necessarily be applicable to this product.

NCBI GI #	21229863
NCBI GeneID	1001562
NCBI Accession #	NP_635780.1
UniProt Primary Accession #	Q8PDF3

UniProt Related Accession #	Q8PDF3
GenBank Nucleotide #	NC_003902.1
NCBI Official Full Name	biotin biosynthesis protein
NCBI Official Symbol	bioH
UniProt Protein Name	Pimeloyl-[acyl-carrier protein] methyl ester esterase
UniProt Synonym Protein Names	Biotin synthesis protein BioH
Protein Family	Pimeloyl-[acyl-carrier protein] methyl ester esterase
UniProt Gene Name	bioH
NCBI Protein Information	biotin biosynthesis protein
UniProt Comments for bioH	The physiological role of BioH is to remove the methyl group introduced by BioC when the pimeloyl moiety is complete. It allows to synthesize pimeloyl-ACP via the fatty acid synthetic pathway through the hydrolysis of the ester bonds of pimeloyl-ACP esters.
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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