3-Oxoacyl-[Acyl-Carrier-Protein] Synthase 3 Protein 1 (fabH1) Bacteroides Thetaiotaomicron Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-oxoacyl-[acyl-carrier-protein] synthase 3 protein 1 (fabH1), Recombinant Protein
Full Product Name	Recombinant Bacteroides thetaiotaomicron 3-oxoacyl-[acyl-carrier-protein] synthase 3 protein 1 (fabH1)
Product Gene Name	fabH1 recombinant protein
Product Synonym Gene Name	fabH1
Sequence	MDKINAVITG VGGYVPDYVL TNDEISKMVD TTDEWIMGRI GIKERHILNE EGLGTSYMAR KAAKQLMQRT KSRPDDIDLV IVATTTSDYR FPSTASILCE RLGLKNAFAF DMQAVCSGFL YAMETGANFI RSGKYKKIII VGADKMSSVI DYTDRATCPI FGDGAAAFML EPTTEEVGIM DSVLRTDGKG LPFLHIKAGG SVCPPSYYSL DHHLHYIYQE GRTVFKYAVA NMSDSCEAII ARNHLTKEEV DWVIPHQANQ RIITAVAQRL EVPSEKVMVN IERYGNTSAG TLPLCIWDFE KKLKKGDNLI FTAFGAGFAW GAVYVKWGYD PKEDA
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	37,220 Da
Sequence Positions	1-335, 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 Q8ABI8
Species	Bacteroides thetaiotaomicron (strain 29148 / DSM 2079 / 10582 / E50 / VPI-5482)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fabH1 recombinant protein	MBS1479048 is a recombinant protein targeting fabH1. Also known as Recombinant Bacteroides thetaiotaomicron 3-oxoacyl-[acyl-carrier-protein] synthase 3 protein 1 (fabH1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fabH1 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 fabH1. It may not necessarily be applicable to this product.

NCBI GI #	29345532
NCBI GeneID	1072848
NCBI Accession #	NP_809035.1

UniProt Primary Accession #	Q8ABI8
UniProt Related Accession #	Q8ABI8
GenBank Nucleotide #	NC_004663.1
NCBI Official Full Name	3-oxoacyl-ACP synthase
NCBI Official Symbol	BT_0122
UniProt Protein Name	3-oxoacyl-[acyl-carrier-protein] synthase 3 protein 1
UniProt Synonym Protein Names	3-oxoacyl-[acyl-carrier-protein] synthase III protein 1
Protein Family	3-oxoacyl-[acyl-carrier-protein] synthase 3 protein
UniProt Gene Name	fabH1
UniProt Synonym Gene Names	KAS III 1
NCBI Protein Information	3-oxoacyl-ACP synthase
UniProt Comments for fabH1	Catalyzes the condensation reaction of fatty acid synthesis by the addition to an acyl acceptor of two carbons from malonyl-ACP. Catalyzes the first condensation reaction which initiates fatty acid synthesis and may therefore play a role in governing the total rate of fatty acid production. Possesses both acetoacetyl-ACP synthase and acetyl transacylase activities. Its substrate specificity determines the biosynthesis of branched-chain and/or straight-chain of fatty acids.
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