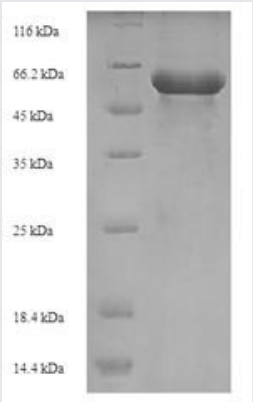
3-Oxoacyl-[Acyl-Carrier-Protein] Synthase 2 (fabF) Staphylococcus Aureus (Strain COL) Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-oxoacyl-[acyl-carrier-protein] synthase 2 (fabF), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus (strain COL) 3-oxoacyl-[acyl-carrier-protein] synthase 2
Product Gene Name	fabF recombinant protein
Product Synonym Names	3-oxoacyl-[acyl-carrier-protein] synthase II; Beta-ketoacyl-ACP synthase II; KAS II
Sequence	MSQNKRVVIT GMGALSPIGN DVKTTWENAL KGVNGIDKIT RIDTEPYSVH LAGELKNFNI EDHIDKKEAR RMDRFTQYAI VAAREAVKDA QLDINENTAD RIGVWIGSGI GGMETFEIAH KQLMDKGPRR VSPFFVPMLI PDMATGQVSI DLGAKGPNGA TVTACATGTN SIGEAFKIVQ RGDADAMITG GTEAPITHMA IAGFSASRAL STNDDIETAC RPFQEGRDGF VMGEGAGILV IESLESAQAR GANIYAEIVG YGTTGDAYHI TAPAPEGEGG SRAMQAAMDD AGIEPKDVQY LNAHGTSTPV GDLNEVKAIK NTFGEAAKHL KVSSTKSMTG HLLGATGGIE AIFSALSIKD SKVAPTIHAV TPDPECDLDI VPNEAQDLDI TYAMSNSLGF GGHNAVLVFK KFEA
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 degree C, for extended storage, conserve at -20 degree C or -80 degree C.
Molecular Weight	59.7 kDa
Sequence Positions	1-414aa; Full Length
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 Q5HHA1
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fabF recombinant protein	Catalyzes the condensation reaction of fatty acid synthesis by the addition to an acyl acceptor of two carbons from malonyl-ACP.
Product References and Citations for fabF recombinant protein	Insights on evolution of virulence and resistance from the complete genome analysis of an early methicillin-resistant Staphylococcus aureus strain and a biofilm-producing methicillin-resistant Staphylococcus epidermidis strain.Gill S.R., Fouts D.E., Archer G.L., Mongodin E.F., DeBoy R.T., Ravel J., Paulsen I.T., Kolonay J.F., Brinkac L.M., Beanan M.J., Dodson R.J., Daugherty S.C., Madupu R., Angiuoli S.V., Durkin A.S., Haft D.H., Vamathevan J.J., Khouri H., Utterback T.R., Lee C., Dimitrov G., Jiang L., Qin H., Weidman J., Tran K., Kang K.H., Hance I.R., Nelson K.E., Fraser C.M.J. Bacteriol. 187:2426-2438(2005)
Other Notes	Small volumes of fabF 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.
Searchable Terms for fabF purchase	MBS1470579 is a recombinant protein targeting fabF. Also known as Recombinant Staphylococcus aureus (strain COL) 3-oxoacyl-[acyl-carrier-protein] synthase 2. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.



SDS-PAGE of fabF recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for fabF. It may not necessarily be applicable to this product.

NCBI GI #	446003385
NCBI Accession #	WP_000081240.1
UniProt Primary Accession #	Q5HHA1
GenBank Nucleotide #	WP_000081240.1
NCBI Official Full Name	MULTISPECIES: beta-ketoacyl-[acyl-carrier-protein] synthase II
UniProt Protein Name	3-oxoacyl-[acyl-carrier-protein] synthase 2
UniProt Synonym Protein Names	3-oxoacyl-[acyl-carrier-protein] synthase II; Beta-ketoacyl-ACP synthase II; KAS II
Protein Family	3-oxoacyl-[acyl-carrier-protein] synthase
UniProt Gene Name	fabF
UniProt Synonym Gene Names	KAS II
UniProt Entry Name	FABF_STAAC
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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