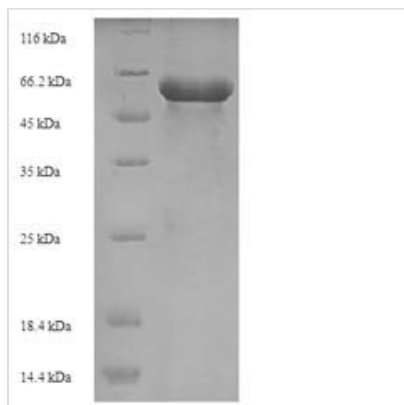


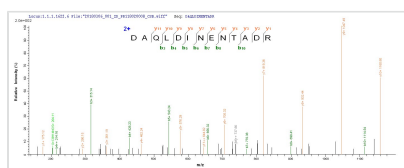


# Recombinant Staphylococcus aureus 3-oxoacyl-[acyl-carrier-protein] synthase 2 (fabF)

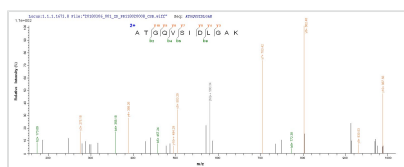
<b>Product Code</b>	CSB-EP692016FLB
<b>Relevance</b>	Catalyzes the condensation reaction of fatty acid synthesis by the addition to an acyl acceptor of two carbons from malonyl-ACP.
<b>Abbreviation</b>	Recombinant Staphylococcus aureus fabF protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q5HHA1
<b>Alias</b>	3-oxoacyl-[acyl-carrier-protein] synthase IIBeta-ketoacyl-ACP synthase II ;KAS II
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Staphylococcus aureus (strain COL)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MSQNKRVVITGMGALSPIGNDVKTTWENALKGVNGIDKITRIDTEPYSVHLAGELKNFNIEDHIDKKEARRMDRFTQYAIVAAREAVKDAQLDINENTADRIGVWIGSGIGGMETFEIAHKQLMDKGPRRVSPFFVPMPLIPDMATGQVSIDLGAKGPNVATVTACATGTNSIGEAFAKIVQRGDADAMITGGTEAPITHMAIAGFSASRALSTNDDIETACRPFQEGRDGFVMGEGAGILVIESLESAQARGANIYAEIVGYGTTGDAYHITAPAPEGEGGSRAMQAAMDDAGIEPKDVQYLNAGHTSTPVGDLNEVKAIKNTFGAAKHLKVSSTKSMTGHLLGATGGIEAIFSALSISKDSKVAPTIIHAVTPDPECDLDIVPNEAQDLIDITYAMSNSLGFGGHNAVLFVFKKFEA
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	fabF
<b>Protein Names</b>	Recommended name: 3-oxoacyl-[acyl-carrier-protein] synthase 2 EC= 2.3.1.179 Alternative name(s): 3-oxoacyl-[acyl-carrier-protein] synthase II Beta-ketoacyl-ACP synthase II Short name= KAS II
<b>Expression Region</b>	1-414aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	59.7kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP692016FLB could indicate that this peptide derived from E.coli-expressed Staphylococcus aureus (strain COL) fabF.



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## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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