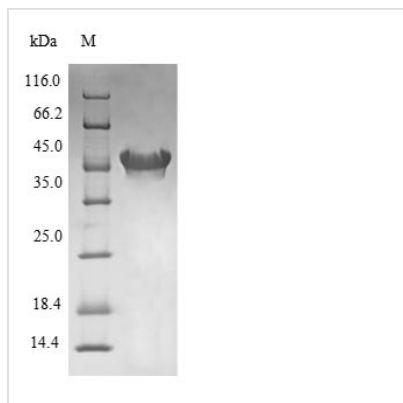




# Recombinant Escherichia coli 3-oxoacyl-[acyl-carrier-protein] synthase 1 (fabB)

<b>Product Code</b>	CSB-EP359247ENVa1
<b>Relevance</b>	Catalyzes the condensation reaction of fatty acid synthesis by the addition to an acyl acceptor of two carbons from malonyl-ACP. Specific for elongation from C-10 to unsaturated C-16 and C-18 fatty acids.
<b>Abbreviation</b>	Recombinant E.coli fabB 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>	P0A953
<b>Alias</b>	3-oxoacyl-[acyl-carrier-protein] synthase I Beta-ketoacyl-ACP synthase I
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MKRAVITGLGIVSSIGNNQEVLASLREGRSGITFSQELKDSGMRSHVWGNVK LDTTGLIDRKVVRFMSDASIYAFLSMEQAIADAGLSPEAYQNNPRVGLIAGSGG GSPRFQVFGADAMRGRGLKAVGPYVVTKAMASGVSACLATPFKIHGVNYSI SSACATSAHCIGNAVEQIQLGKQDIVFAGGGEELCWEMACEFDAMGALSTKY NDTPEKASRTYDAHRDGFVIAGGGGMVVVEELEHALARGAHIYAEIVGYGATS DGADMVAPSGEGAVRCMKMAMHGVDTPIDYLNHGTSTPVGDKELAAIREV FGDKSPAISATKAMTGHSLGAAGVQEAISLLMLEHGFAPSINIEELDEQAAGL NIVTETTDRELTTVMSNSFGFGGTNATLVMRKLKD
<b>Source</b>	E.coli
<b>Target Names</b>	fabB
<b>Protein Names</b>	Recommended name: 3-oxoacyl-[acyl-carrier-protein] synthase 1 EC=2.3.1.41 Alternative name(s): 3-oxoacyl-[acyl-carrier-protein] synthase I Beta-ketoacyl-ACP synthase I Short name= KAS I
<b>Expression Region</b>	1-406aa
<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-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	49.3kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



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

### 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

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.