



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

<b>Product Code</b>	CSB-EP359247ENV
<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 DGADMVAPSGEGAVRCMKMAMHGVDTPIDYLNHSGTSTPVGDKELAAIREV FGDKSPAISATKAMTGHSLGAAGVQEAISLLMLEHGFAPSINIEELDEQAAGL NIVTETTDRELTTVMSNSFGFGGTNATLVMRKLKD
<b>Source</b>	E.coli
<b>Target Names</b>	fabB
<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-SUMO-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	61.3kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	

