

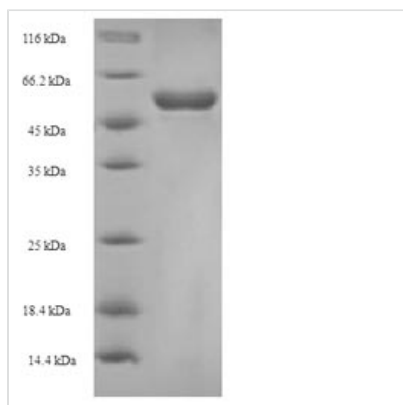


Recombinant Escherichia coli 3-oxoacyl-[acyl-carrier-protein] synthase 2 (fabF)

Product Code	CSB-EP359466ENV
Relevance	Catalyzes the condensation reaction of fatty acid synthesis by the addition to an acyl acceptor of two carbons from malonyl-ACP. Has a preference for short chain acid substrates and may function to supply the octanoic substrates for lipoic acid biosynthesis.
Abbreviation	Recombinant E.coli fabF protein
Storage	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.
Uniprot No.	P0AAI5
Alias	3-oxoacyl-[acyl-carrier-protein] synthase IIBeta-ketoacyl-ACP synthase II ;KAS II
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	SKRRVVVTGLGMLSPVGNVESTWKALLAGQSGISLIDHFDTSAYATKFAGLV KDFNCEDIISRKEQRKMDAFIQYGVAGVQAMQDSGLEITEENATRIGAAIGSGI GGLGLIEENHTSLMNGGPRKISPFFVPSTIVNMVAGHLTIMYGLRGPSISIATAC TSGVHNIGHAARIAYGDADVMVAGGAEKASTPLGVGGFGAARALSTRNDNP QAASRPWDKERDGFVLGDGAGMLVLEEYEHAKKRGAKIYAELVGFMSDDA YHMTSPPEGAGAALAMANALRDAGIEASQIGYVNAHGTSTPAGDKAEAQAV KTIFGEAASRVLVSSTKSMTGHLLGAAGAVESIYSILALRDQAVPPTINLDNPDE GCDLDFVPHEARQVSGMEYTLCSFGFGGTNGSLIFKKI
Research Area	Others
Source	E.coli
Target Names	fabF
Protein Names	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
Expression Region	2-413aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	58.9kDa
Protein Length	Full Length of Mature Protein



Image



(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.