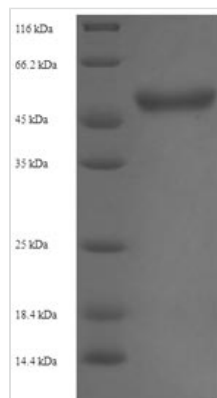




# Recombinant Staphylococcus aureus Malonyl CoA-acyl carrier protein transacylase (fabD)

<b>Product Code</b>	CSB-EP686101FLB
<b>Abbreviation</b>	Recombinant Staphylococcus aureus fabD 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>	Q5HGK3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Staphylococcus aureus (strain COL)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MSKTAIIFPGQGAQKVGMAQDLFNNNDQATEILTSAANTLDFDILETMFTDEEG KLGETENTQPALLTHSSALLAALKNLNPDTMGHSLGEYSSLVAADVLSFEDA VKIVRKRGLMAQAFPTGVGSMAAVLGLDFDKVDEICKSLSSDDKIIEPANINC PGQIVVSGHKALIDELVEKGKSLGAKRVMPLAVSGPFHSSLMKVIEEDFSSYIN QFEWRDAKFPVVQNVNAQGETDKEVIKSNMVKQLYSPVQFINSTEWLIDQGV DHFIEIGPGKVLGSLIKKINRDVKLTSIQTLEDVKGWNEND
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	fabD
<b>Expression Region</b>	1-308aa
<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>	49.6kDa
<b>Protein Length</b>	Full Length

## Image



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



## Description

Constructing a plasmid encoding the Staphylococcus aureus (strain COL) fabD protein (1-308aa) initiates the general approach for generating the recombinant Staphylococcus aureus (strain COL) fabD protein. Transformation of the plasmid into e.coli cells obtains the plasmid-containing e.coli cells, which are cultured and induced for protein expression. A N-terminal 6xHis-SUMO tag is fused to the protein. Subsequently, the protein is purified through affinity purification, and SDS-PAGE analysis is undertaken to confirm the presence and assess the purity of the protein. The protein's purity exceeds 90%.

## 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.