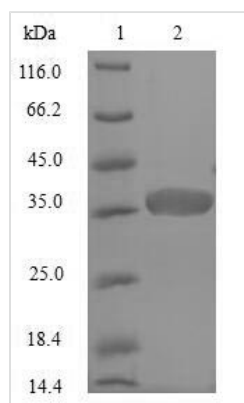




# Recombinant Staphylococcus aureus Acyl carrier protein (acpP)

<b>Product Code</b>	CSB-EP015636SKXe0
<b>Relevance</b>	Carrier of the growing fatty acid chain in fatty acid biosynthesis. Is able to confer high methicillin resistance to S.aureus when overproduced .
<b>Abbreviation</b>	Recombinant Staphylococcus aureus acpP 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>	P0A001
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Staphylococcus aureus (strain Mu50 / ATCC 700699)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MENFDKVKDIIVDRLGVDADKVTEDASFKDDLGLADSLDIAELVMELEDEFGTEI PDEEAEKINTVGDAVKFINSLEK
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	acpP
<b>Expression Region</b>	1-77aa
<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 GST-tagged
<b>Mol. Weight</b>	35.5kDa
<b>Protein Length</b>	Full length protein

## Image



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



## Description

Dive deeper into bacterial lipid biosynthesis with our Recombinant *Staphylococcus aureus* acpP. This product represents a full-length Acyl carrier protein (ACP), a vital component involved in the initiation and elongation steps of fatty acid synthesis in *Staphylococcus aureus*, an organism known for its robust resistance mechanisms and implications in human health.

Originated from the *Staphylococcus aureus* strain Mu50 / ATCC 700699, this recombinant acpP protein is expressed in an *E.coli* system and includes the complete sequence of 1-77 amino acids. It comes N-terminal GST-tagged, aiding in successful purification and facilitating straightforward application in a variety of assays. Showcasing exemplary purity, the protein exceeds 90% as per SDS-PAGE, offering you precise and accurate results in all your experiments. Available as either liquid or lyophilized powder, this product offers flexibility for your individual experimental needs. Adopt the Recombinant *Staphylococcus aureus* acpP into your research protocol and unlock new insights into bacterial lipid metabolism and resistance mechanisms.

## 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.