

ACP Protein, S. aureus, Recombinant (GST)

General Information

Synonyms: acpP;ACP;hmrB;Acyl carrier protein

Protein Construction: 1-77 aa

Species: *Staphylococcus aureus*

Expression Host: *E. coli*

Accession: P0A001

Molecular Weight: 35.5 kDa (predicted)

AA Sequence: MENFDKVKDIIVDRLGVDADKVTEDASFKDDLGADS LDIAELVMELEDEFGTEIPDEEAEKINTVGDAVKFINS LEK

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Shipping:

In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.

Protein Background

Carrier of the growing fatty acid chain in fatty acid biosynthesis. Is able to confer high methicillin resistance to *S. aureus* when overproduced.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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