

SFP Protein, B.subtilis, Recombinant (His)

General Information

Synonyms:	Surfactin synthase-activating enzyme;sfp;lpa-8;4'-phosphopantetheinyl transferase sfp
Protein Construction:	Met1-Leu224
Species:	Bacillus subtilis
Expression Host:	E. coli
Accession:	CAA44858.1
Molecular Weight:	28 KDa (reducing condition)
AA Sequence:	Met1-Leu224

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:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM PB, 100 mM NaCl, pH 7.0.

Preparation and Storage

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.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

The Bacillus subtilis enzyme Sfp, required for production of the lipopeptide antibiotic surfactin, posttranslationally phosphopantetheinylates a serine residue in each of the seven peptidyl carrier protein domains of the first three subunits (SrfABC) of surfactin synthetase to yield docking sites for amino acid loading and peptide bond formation.

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