

4'-phosphopantetheinyl transferase ffp Protein, Bacillus subtilis, Recombinant (His & Myc)

General Information

Synonyms:	sfp;Fengycin synthase-activating enzyme;4'-phosphopantetheinyl transferase ffp;ffp
Protein Construction:	1-224 aa
Species:	Bacillus subtilis
Expression Host:	E. coli
Accession:	Q9F4F7
Molecular Weight:	31.0 kDa (predicted)
AA Sequence:	MKIYGIYMDRPLSQEETDRLMSFVSAEKREKRRFYHKEDAHRTLLGDVLVRSVISEQYQLNKADIRFSAQEY GKPCIPDLNNAHFNISHSGHWVIGAFDSDPIGV DIEKMKPISLGAIERFFSKNEYSDLLSKHKDEQNDYFYHLW SMKESFIKQEGKGLSLPLDSFSVRLHEDGRVSVLPEHHTPCFIKTYEVDPGYKMAVCAARPDFPEDITMISYE ALL

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:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/ μ g 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.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

May activate the peptidyl carrier protein (PCP) domains of fengycin synthase by transferring the 4'-phosphopantetheinyl moiety of coenzyme A (CoA) to a serine residue.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481