

Holo-ACP synthase Protein, *A. laidlawii*, Recombinant (His & Myc)

General Information

Synonyms:	acpS;Holo-[acyl-carrier-protein] synthase;Holo-ACP synthase;4'-phosphopantetheinyl transferase AcpS
Protein Construction:	1-118 aa
Species:	<i>Acholeplasma laidlawii</i>
Expression Host:	<i>E. coli</i>
Accession:	A9NHV3
Molecular Weight:	20.9 kDa (predicted)
AA Sequence:	MIHAIGTDLVELERIKSIGIDRFKDKILNEDEKNEYAKINHENRKLTYLAGRFAVKESLFKCFKAGDKTANYKDFS VLNDSVGAPYVVSKHTSDFVVHITISHTNLYAIAFVVLETKV

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

Transfers the 4'-phosphopantetheine moiety from coenzyme A to a Ser of acyl-carrier-protein.

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