

CAMP Factor Protein, Cutibacterium acnes, Recombinant (His)

General Information

Protein Construction:	A DNA sequence encoding the Cutibacterium acnes CAMP factor (EPI1629568) (Met1-Tyr560) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Ala 23
Species:	Cutibacterium acnes
Expression Host:	Baculovirus Insect Cells
Molecular Weight:	34.13 kDa (predicted); 34.1 kDa (reducing conditions)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM Tris, 300 mM NaCl, 10% glycerol, pH 8.0. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

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:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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

CAMP factor is an extracellular cytolytic protein produced by Streptococcus agalactiae. CAMP factor binds the Fc fragments of IgG and is also known as protein B, in analogy to protein A of Staphylococcus aureus.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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