

ctfB Protein, Clostridium acetobutylicum, Recombinant (His & Myc)

General Information

Synonyms:	Butyrate--acetoacetate CoA-transferase subunit B (Coat B);ctfB;Acetoacetyl-CoA: acetate/butyrate CoA-transferase beta subunit
Protein Construction:	1-221 aa
Species:	Clostridium acetobutylicum
Expression Host:	E. coli
Accession:	P23673
Molecular Weight:	30.6 kDa (predicted)
AA Sequence:	MINDKNLAKEIIAKRVARELKNQVLNVLGVGLPTMVADYIPKNFKITFQSENGIVGMGASPKINEADKDVVNA GGDYTTVLPDGTFFDSSVSFSLIRGGHVDVTVLQVDEKGNIANWIVPGKMLSGMGAMDLVNGAKKVII AMRHTNKGQPKILKCTLPLTAKSQANLIVTELGVIEVINDGLLLTEINKNTTIDEIRSLTAADLLISNELRPMVAV

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/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.

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

Involved in solventogenic switch which allows C.acetobutylicum to uptake acid and produce solvents. Acts mainly to detoxify the medium by removing the acetate and butyrate excreted earlier in the fermentation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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