Adenylate cyclase toxin

Increases intracellular cAMP levels

AC toxin inserts itself into the membrane of target cells and delivers its adenylate cyclase enzymatic domain to the cell interior. Its adenylate cyclase activity is then stimulated by endogenous Ca^{2+} and calmodulin. The resulting increase in cAMP concentration can easily reach supraphysiological levels.

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BML-CN150A-0050	50µg

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	After thawing, to ensure recovery of vial contents, centrifuge before opening the tube. Aseptic handling is recommended, no preservatives have been added to the product. Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	AC toxin
Application Notes	AC toxin is a unique tool for increasing cAMP levels in mammalian cells.
Formulation	Liquid. In 0.05M Tris-HCl and 8M Urea pH 8.0.
MW	~200 kDa
Purity	≥80% (SDS-PAGE)
Source	Produced in *E. coli.*
UniProt ID	J7QLC0

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com