Bovine Betacellulin

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
5 µg	1190.910.005		
20 µg	1190.910.020		
1 mg	1190.910.199		

Please enquire for bulk quantities and other vial sizes.

Description

Betacellulin Bovine Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 80 amino acids and having a molecular mass of 9003 Dalton.

- **Biological Activity** ≥ 1 x 10^5 units/mg
- **Source** *E. coli*
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** The Betacellulin Bovine Recombinant was lyophilized after extensive dialysis against 50mM acetic acid*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

The ED_{50}, calculated by the dose-dependent proliferation of murine BALB\C 3 T3 cells (measured by 3 H-thymidine uptake) is < 10.0 ng/ml, corresponding to a Specific Activity 100,000 units/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized Betacellulin Bovine Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BTC Bovine should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1 % HSA, order number: 2835.955.xyz or 2835.958.xyz, or BSA, order number: 2835.919.xyz). Please avoid repeated freeze-thaw cycles.

Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Asp-Gly-Asn-Ser-Thr.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

ORDERING
Tel.: +49 40 4320 8448 - 0
order@active-bioscience.de
www.active-bioscience.de

TECHNICAL SUPPORT
Tel.: +49 40 4320 8448 - 11
support@active-bioscience.de

Active Bioscience GmbH
Oberaltenallee 8
D-22081 Hamburg
HRB 98170 Amtsgericht Hamburg