

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Betacellulin, Human

Catalog Number: BK0298-10 μ g

Source: HEK 293

Quantity: 10 μ g

Description:

Betacellulin (BTC) is a member of the EGF family of cytokines that also includes EGF, TGF- α , Amphiregulin, HB-EGF, Epiregulin, Tomoregulin, Heregulin and Neuregulins. At the amino acid sequence level, human mature BTC protein exhibits 80% identity with mouse BTC protein. BTC is expressed in most tissues including kidney, uterus, liver and pancreas. It is also present in body fluids, including serum, milk, and colostrum.

Molecular Weight:

15~18 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 4 pg/ml, measured in a cell proliferation assay using 3T3 cells.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

DGNSTRSPETNGLLCGDPEEN-
CAATTTQSKRKGHFSRCPKQYKHY-
CIKGRCRFVVAEQTPSCVCEGYIGARCER-
VDLFY

Endotoxin:

< 0.2 EU/ μ g, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 μ g/ml.

Storage:

Lyophilized recombinant Human Betacellulin remains stable up to 6 months at -80 $^{\circ}$ C from date of receipt. Upon reconstitution, Human Betacellulin should be stable up to 1 week at 4 $^{\circ}$ C or up to 2 months at -20 $^{\circ}$ C.

Usage:

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