

Betacellulin, Human

Cat. No.: Z03102-10

Size: 10.0 ug

Synonyms: BTC

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.

Amino Acid Sequence:

00001 DGNSTRSPET NLLCGDPEE NCAATTTQSK RKGHFSRCPK
00041 QYKHYCIKGR CRFVVAEQTP SCVCDEGYIG ARCERVDLFY
00081

Source: HEK 293

Species: Human

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

Molecular Weight: 15 18 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

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

Purity: > 95% as analyzed by SDS-PAGE.

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

Storage: Lyophilized recombinant Human Betacellulin remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Betacellulin should be stable up to 1 week at 4°C or up to 2 months at -20°C.