

Betacellulin (BTC), Human

Cat.no. PK0139

Product size: 10ug 50ug 1mg

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 at 100 µg/mL.

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

Endotoxin Level: < 0.2 EU/µg, 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.

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 NGLLCGDPEE NCAATTTQSK RKGHFSRCPK

00041 QYKHYCIKGR CRFVVAEQTP SCVCDEGYIG ARCERVDLFY

Synonyms: Betacellulin, BTC

Note: For research use only, not for use in diagnostic procedure.