

Overview

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| 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. |
| Accession No | P35070 |
| Species | Human |
| Source | HEK 293 |
| Biological Activity | ED ₅₀ < 4 pg/ml, measured in a cell proliferation assay using 3T3 cells. |
| Sequence | DGNSTRSPET NGLLCGDPEE NCAATTTQSK RKGHFSRCPK QYKHYCIKGR CRFVVAEQTP SCVCDEGYIG ARCERVDLFY |

Properties

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| Measured Molecular Weight | 15~18 kDa, observed by reducing SDS-PAGE. |
| Purity | > 95% as analyzed by SDS-PAGE. |
| Formulation | Lyophilized after extensive dialysis against PBS. |
| Reconstitution | Reconstituted in ddH ₂ O or PBS at 100 μ g/ml. |
| 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. |
| Note | For research use only |

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura,
Delhi – 110034 (INDIA).

Mobile: +91-9810521400, Ph: +91-11-42208000

Email: customerservice@lifetechindia.com

Web: www.lifetechindia.com