

Active Recombinant Human BTC protein(Met1-Tyr111), hFc-tagged

Cat. No. BTC-395H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BTC (P35070) (Met1-Tyr111) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Tyr111
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 for this effect is typically 5-40 ng/mL.
Molecular Mass	The recombinant human BTC/Fc is a disulfide-linked homodimer. The reduced monomer comprises 321 amino acids and has a predicted molecular mass of 36 kDa. The apparent molecular mass of the protein is approximately 43-46 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name BTC betacellulin [Homo sapiens]

Official Symbol BTC

Synonyms BTC; betacellulin; probetacellulin;

Gene ID 685

mRNA Refseq NM_001729

Protein Refseq NP_001720

MIM 600345

UniProt ID P35070

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