

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human BTC (P35070) (Met1-Tyr111) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Tyr111
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 for this effect is typically 5-40 ng/mL.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 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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