

Recombinant Mouse Btc protein(Met1-Gln118), His&hFc-tagged

Cat. No. Btc-425M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse BTC (NP_031594.1)(Met 1-Gln 118) was expressed in HEK293, fused with a C-terminal Fc region of Human IgG1 tag followed by a polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-118 a.a.
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 2-10 ng/mL.
Molecular Mass	The recombinant mouse BTC/Fc is a disulfide-linked homodimer. The reduced monomer consists of 335 amino acids and has a predicted molecular mass of 38 kDa. As a result of glycosylation, the apparent molecular mass of rm BTC/Fc monomer migrates with an apparent molecular mass of 50-55 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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, epidermal growth factor family member [*Mus musculus*]

Official Symbol Btc

Synonyms BTC; betacellulin, epidermal growth factor family member; betacellulin; probetacellulin; Bcn;

Gene ID 12223

mRNA Refseq NM_007568

Protein Refseq NP_031594

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA