

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

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-118 a.a.
<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 2-10 ng/mL.
<b>Molecular Mass</b>	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.
<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, 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](#)

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