

Betacellulin/BTC Protein, Mouse (HEK293, His-hFc)

Cat. No.:	HY-P75478
Synonyms:	Btc; Betacellulin; Betacellulin epidermal growth factor family member
Species:	Mouse
Source:	HEK293
Accession:	Q05928 (D32-Q118)
Gene ID:	12223
Molecular Weight:	50-55 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Betacellulin/BTC Protein is a growth factor exhibiting affinity for EGFR, ERBB4, and other members of the EGF receptor family. It exerts potent mitogenic effects on retinal pigment epithelial cells and vascular smooth muscle cells, functioning as a monomer. Its molecular activity involves interactions with both EGFR and ERBB4, contributing to its role in cellular signaling and regulation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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