Human Betacellulin Protein

Cat. No. BTC-HM201

Description

Source	Recombinant Human Betacellulin Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Asp32-Gln118.
Accession	P35070
Molecular Weight	The protein has a predicted MW of 36.52 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

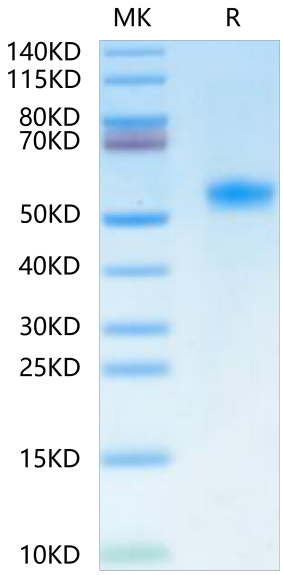
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Betacellulin (BTC) belongs to the epidermal growth factor (EGF) family of peptide ligands that are characterised by a six-cysteine consensus motif that forms three intra-molecular disulfide bonds crucial for binding the ErbB receptor family.

Assay Data

Bis-Tris PAGE



Human Betacellulin on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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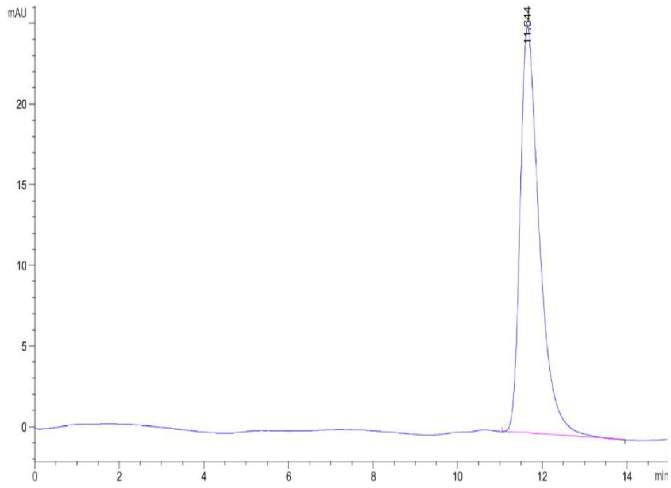
Assay Data



The purity of Human Betacellulin is greater than 95% as determined by SEC-HPLC.