



Certificate of Analysis

Betacellulin/BTC Protein, Mouse (N-His)

Cat. No.:	HY-P7329
Batch No.:	249994
Species:	Mouse
Source:	<i>E. coli</i>
Tag:	N-6*His
Accession:	Q05928 (D32-Y111)
Gene ID:	12223
Molecular Weight:	Approximately 12 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	97.60%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED ₅₀ this effect is 0.3911 ng/ml, corresponding to a specific activity is 2.556×10 ⁶ units/mg.	0.3911 ng/mL
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
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. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

Caution: Product has not been fully validated for medical applications. For research use only.

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