

Recombinant Mouse Btc Protein (Asp32-Gln118), N-His tagged

Cat. No. Btc-5414M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Btc (Asp32-Gln118) fused with the N-terminal His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asp32-Gln118
Description	This gene encodes a member of the epidermal growth factor (EGF) family. These growth factors are ligands for the EGFR/ErbB receptor tyrosine kinases, and play roles in cell growth and differentiation. The encoded protein is synthesized as a transmembrane precursor that is proteolytically cleaved to generate a mature peptide, and plays a role in the differentiation of pancreatic beta cells. This gene may also play a protective role in acute pancreatitis, whereas increased expression of this gene may contribute to diabetic macular edema. Gene therapy using combinations of this gene and other pancreas-specific transcription factors may induce islet neogenesis and remediate hyperglycemia in type 1 diabetes.
Form	Lyophilized powder/frozen liquid
Molecular Mass	9.57 kDa
Purity	> 90 % as determined by SDS-PAGE

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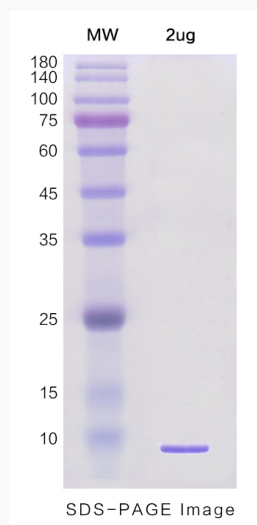
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS or lyophilized from PBS.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	Btc betacellulin, epidermal growth factor family member [Mus musculus (house mouse)]
Official Symbol	Btc
Synonyms	Btc; betacellulin, epidermal growth factor family member; Bcn; betacellulin; probetacellulin
Gene ID	12223
mRNA Refseq	NM_007568
Protein Refseq	NP_031594
UniProt ID	Q05928

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SDS-PAGE



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