

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 | <p>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.</p> |
| Form | Lyophilized powder/frozen liquid |
| Molecular Mass | 9.57 kDa |
| Purity | > 90 % as determined by SDS-PAGE |

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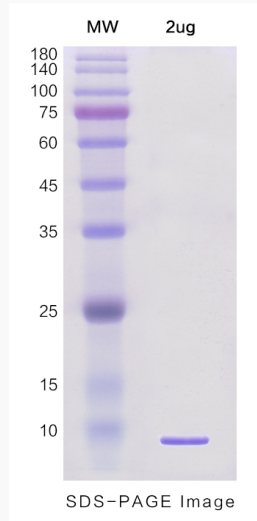
| | |
|-------------------------|---|
| Notes | For research use only. |
| Storage | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt. |
| Storage Buffer | Supplied as 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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