

5'ATGACACCTCAAATATTACTGATTTGTGTGCAGAATACCACAACACACAAATACATACGCT
AAATGATAAGATATTTTCGTATACAGAATCTCTAGCTGGAAAAAGAGAGATGGCTATCATTAC
TTTTAAGAATGGTGCAACTTTTCAAGTAGAAGTACCAGGTAGTCAACATATAGATTCACAAAA
AAAAGCAATTGAAAGGATGAAGGATACCCTGAGGATTGCATATCTTACTGAAGCTAAAGTCG
AAAAGTTATGTGTATGGAATAATAAACGCCTCATGCGATTGCCGCAATTAGTATGGCAAAT
GGGCCCGGGCCCGTCGTAAACGTTTTGTGAACCAACACCTGTGCGGCTCACACCTGGTGGAA
GCTCTACCTAGTGTGCGGGGAACGAGGCTTCTTCTACACACCCAAGACCCGCCGGAAACGT
GAGGACCTGCAGGTGGGGCAGGTGGAGCTGGGCGGGGGCCCTGGTGCAGGCAGCCTGCAG
CCCTTGGCCCTGGAGGGGTCCCGTCGTAAGCGTGGCATTGTGGAACAATGCTGTACCAGCATC
TGCTCCCTCTACCAGCTGGAGAACTACTGCAACTAA3'

Supplemental Figure 1. DNA sequence of 5'-3' strand of CTB-Proinsulin containing three furin cleavage sites gene. Start and stop codons are represented in orange. CTB sequence is represented in blue. GPGP hinge is represented in green. Furin cleavage sites are represented in red. Insulin B, C, and A chains are represented in purple reading from left to right, respectively.