

Product datasheet for **RR210713**

Btc (NM_022256) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Btc (NM_022256) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Btc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR210713 representing NM_022256
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTCGACTGCCCCAGGCAGCGGTGTCTCAGCTCCCTGCCGCTGCTCCTGGCCCTTGTCTGGTCTTG
TGATTCTCCAGTGCCTGGTGGCAGATGGGAACACAACCAGAACCCTGAAACCAATGGCTCTCTTTGTGG
AGCTCTGGGGAAAATGCACAGGTACCACCCCTAGACAGAAATCGAAAACCACTTCTCTCGGTGCCCC
AAGCAATACAAGCATTACTGCATCCATGGGAGATGCCGCTTCGTGATGGACGAACAACTCCCTCCTGCA
TCTGTGAGAAAGGCTACTTTGGGGCCCGGTGTGAGCAGGTGGACCTGTTTTATCTCCAGCAGGACAGGGG
GCAGATCCTGGTGTCTGCTTGTATAGGCGTCATGGTGTCTTTCATCATTTTAGTCATTGGCGTCTGCACC
TGCTGTATCCTCTTCGGAAACATCGCAAAAAGAAGAAGGAAGAGAAAATGGAACTTTGAGTAAAGATA
AACTCCATAAGTGAAGATATTCAAGAGACCAATATTGCTAACTCCATAAGTGAAGATATTCAAGAG
ACCAATATTGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210713 representing NM_022256
Red=Cloning site Green=Tags(s)

MDSTAPGSGVSSLP LLLALV LGLVILQCVVADGNTTRTPETNGSLCGAPGENCTGTTTPRQKSKTHFSRCP
KQYKHYCIHGRCRFVMDEQTPSCICEKGYFGARCEQVDFYLLQQDRGQILVVCLIGVMVLFIIILVIGVCT
CCHPLRKHRRKKKKEEMETLSKDKTPISEDIQETNIAKLP*VKIFKRPIL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1468_b05.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022256

ORF Size: 531 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq Size: 611 bp

RefSeq ORF: 534 bp

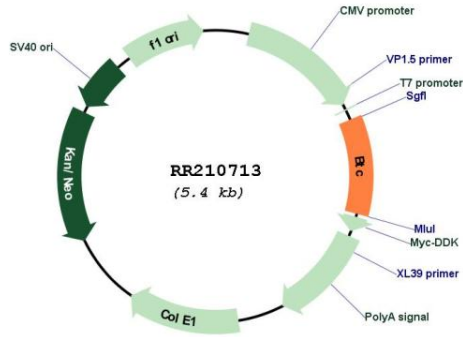
Locus ID: 64022

Cytogenetics: 14p22

MW: 19.6 kDa

Gene Summary: may have mitogenic activity; mouse homolog induces differentiation of pancreatic beta-cells and promotes regeneration of beta-cells [RGD, Feb 2006]

Product images:



Circular map for RR210713