

Specifications:

| | |
|----------------|------------------|
| Gene: | mBTN1A1 |
| Accession: | NP_038511 |
| Insert size: | 1587bp |
| Concentration: | 10µg at 0.2µg/µL |

mBTN1A1 cDNA Plasmid

Btn1a1 butyrophilin, subfamily 1, member A1 [*Mus musculus* (house mouse)]

Also known as: Btn

Summary:

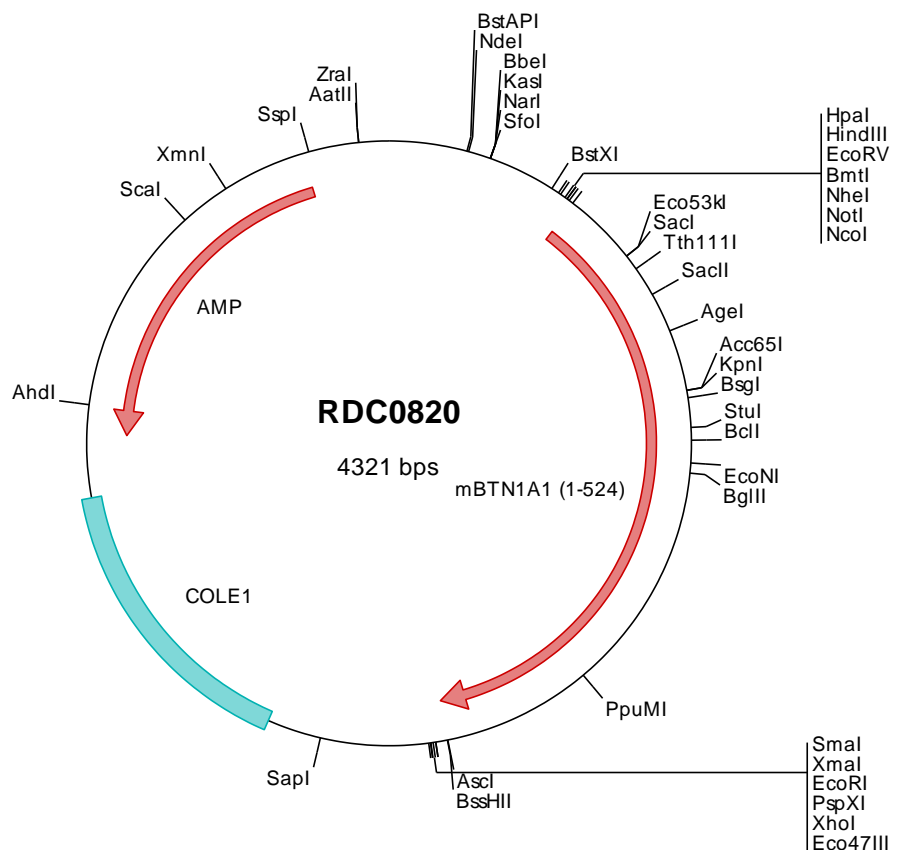
Butyrophilin, a member of the immunoglobulin superfamily, is associated with fat droplets in milk. It is a single-pass type I membrane cell surface receptor that can inhibit the proliferation of activated CD4 and CD8 T-cells. BTN1A1 probably functions either as a structural protein or as a signaling receptor by binding to xanthine dehydrogenase/oxidase.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

| | |
|-------------|---|
| Formulation | cDNA is provided in 10 mM Tris-Cl, pH 8.5 |
| Shipping | Ships at ambient temperature |
| Stability | 1 year from date of receipt when stored at -20°C to -80°C |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |





> RDC0820 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gacgctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgcc accatattgct ggtgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taacggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acggcagggt ttcccagtc acgacgttg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc gggcgcacc atggcagttc ccaccaactc ctgtctcctg gttctgtctg tcaccctcac
501 ggtcctacaag ctgcccacgc tggattcggc agctcccttc gatgtgacgc cactcagga gccagtggtg gccctagtgg gctcagatgc cgagctgacc
601 tgtggctttt ccccaaacgc gagctcagaa taactggagc tgctgtggtt tcgacagacg aggtcgacag cggtaacttot ataccgggat ggcaggagc
701 agggggcca gcagatgacg gactacgcgc gggggcgac gctggcgaca gccgggcttc tagacggcgc cgctactctg ctgacccgag atgtcagggt
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2101 tcatagctgt ttctgtgtg aaattgttat ccgctcaca ttccacaca catacagacc ggaagcataa agtgtaaagc ctggggtgcc taatgagta
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3601 tcggtttgta tggctcatt cagctccggt tcccaacgat caagcagat tacatgatcc cccatgttgt gcaaaaaagc ggttagctcc ttcggtcctc
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4301 gtaacacgag gcccttctg c

> RDC0820 Translated Insert Sequence

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101 aglldgrat1 lirdvrvsdq ge1rclfkdn ddfeeaav1l kvaavgsdpq ismtvgenge melectssgw ypepqvqwrn gnrem1psts eskkhneegl
201 ftvavsmmir dssiknmscc ignillgggk eveislpapf vprltpwiva vaiillalgf ltigsifftw klykersslr kkefgrskerl leelrckktv
301 lhevdtldp dtahphlfly edsksvrled srqilpdrpe rfdswpcvlg retftsgrhy wevevgdrtd waigvcrenv vkkqfdpmtg dngfwavely
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501 gctsgdkdt1 hsklipf1ps qaap