

## Specifications:

|                |                  |
|----------------|------------------|
| Gene:          | <i>h</i> BTNL2   |
| Accession:     | NP_062548        |
| Insert size:   | 1381bp           |
| Concentration: | 10µg at 0.2µg/µL |

## *h*BTNL2 cDNA Plasmid

**BTNL2** butyrophilin-like 2 (MHC class II associated) [ *Homo sapiens* (human) ]

**Also known as:** SS2; BTL-II; HSBLMHC1

### Summary:

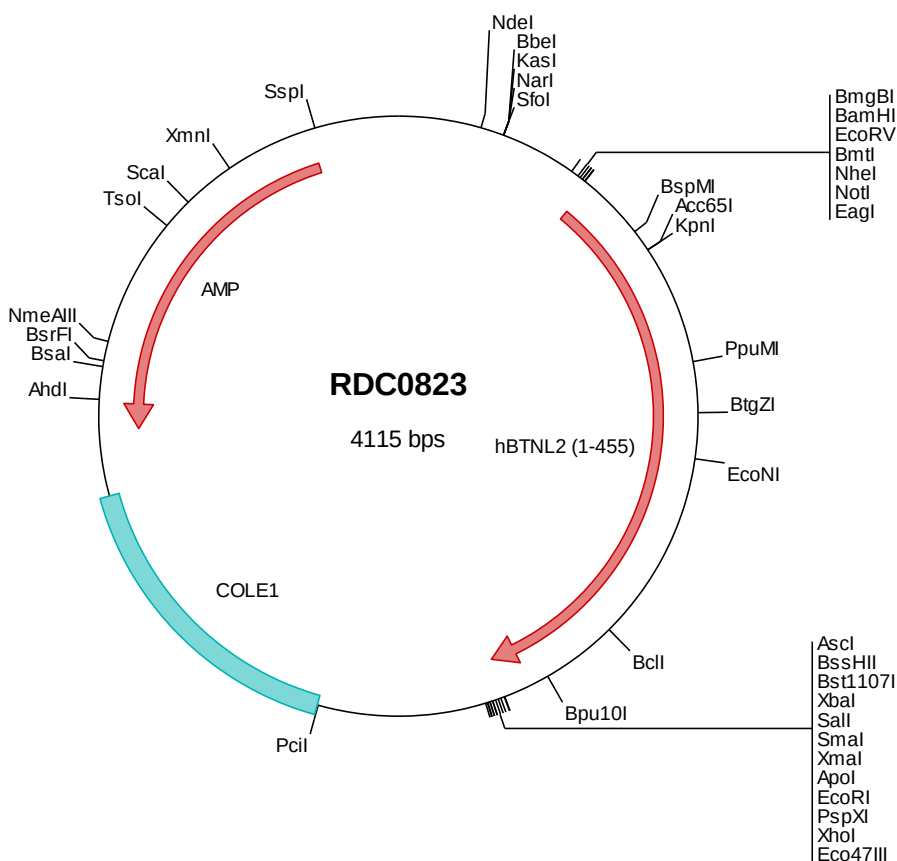
BTNL2 is a single-pass type II membrane protein that is expressed in brain, heart, kidney, liver, pancreas, ovary, leukocyte, small intestine, testis and thymus. It is a negative regulator of T-cell proliferation and is induced by many proinflammatory cytokines such as TNF and IL1B/interleukin-1 beta.

## 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. |





## > RDC0823 Plasmid DNA Sequence

```
1   tcgcgcggtt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccg  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
101  tcaggggcgc  tcagcgggtg  ttggcgggtg  tcggggctgg  cttactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacagat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aaggcgcatc  ggtgcgggcc  tcttcgctat
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401  ggagacgtgt  taacaagctt  ggatecgata  tcgctagcgc  ggccgccacc  atggtggatt  ttccaggcta  caatctgtct  ggtgcagtcg  cctccttcct
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2101 ttatccacag  aatcagggga  taacgcagga  aagaacatgt  gagcaaaagg  ccagcaaaag  gccaggaacc  gtaaaaaggc  cgctgttctg  gcgttttttc
2201 atagcttcgc  ccccccgtac  gagcatcaca  aaaatcgacg  ctcaagtcag  aggtggcgaa  acccgacagg  actataaaga  taccagcggt  ttccccctgg
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3901 aaacaaatag  gggttccgcg  cacatttccc  cgaaaaatgc  cactgcagct  ctaagaaccc  attattatca  tgacattaac  ctataaaaat  aggcgtatca
4001 cgaggccctt  tcgtc
```

## > RDC0823 Translated Insert Sequence

```
1   mvdfpgynls  gavasflfil  ltmkqsedfr  vigpahpila  gvgedalltc  qlpkrttmh  vevrwyrsep  stpvfvhrdg  vevtemqmee  yrgvwvewien
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201  yaeatlvrn  asaevsclv  hnpvlteekg  svslpkelq  telaslknvg  psqpllvrvg  ediqltclys  pkanagsmev  rwdrrshrypa  hvvyymdgdhv
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401  tipsssqalt  qgshglfhvq  tllrvtnisa  vdvttcsisip  flgeekiatf  slsgw
```