

Specifications:

| | |
|----------------|------------------|
| Gene: | hBTLA |
| Accession: | NP_861445 |
| Insert size: | 883bp |
| Concentration: | 10µg at 0.2µg/µL |

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

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| 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. |

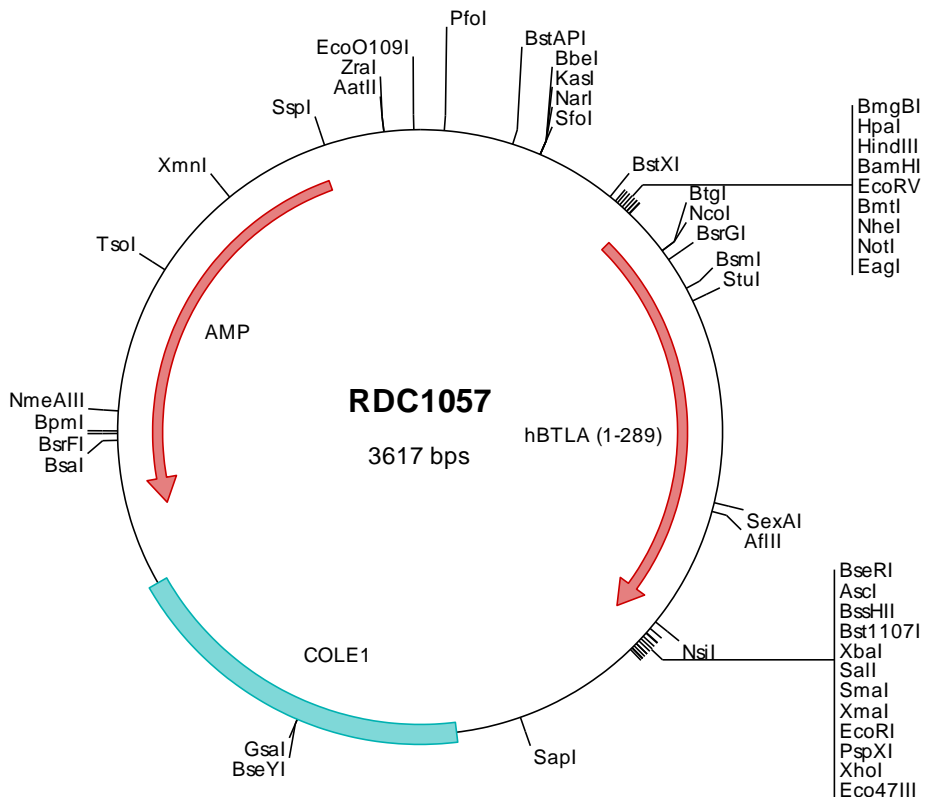
hBTLA cDNA Plasmid

BTLA B and T lymphocyte associated [*Homo sapiens* (human)]

Also known as: BTLA1; CD272

Summary:

BTLA is a transmembrane glycoprotein of the CD28 family of T cell costimulatory molecules. BTLA functions as a coinhibitor on activated T cells and on B cells and dendritic cells. The extracellular domain of BTLA contains one V-type Ig-like domain, which interacts with the herpesvirus entry mediator (HVEM/TNFSF14). This interaction is an important pathway regulating lymphocyte activation and/or homeostasis in the immune response and might also play an important role in the maintenance of T cell tolerance. Alternatively spliced transcripts encoding different proteins have been described.





> RDC1057 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctcccg gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acggcagggt ttccagctc acgacgttg aaaacgacg ccagtgaatt
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601 ggagatccct ttgaactaga atgocctgtg aaatactgtg ctaacaggcc tcatgtgact tggtgcaagc tcaatggaac aacatgtgta aaactgaaag
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3501 ataaacaaat aggggttccg cgcacattt cccgaaaagt gccacctgac gtctaagaa ccattattat catgacatta accataaaaa ataggcgtat
3601 cacgagccc tttcgtc
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> RDC1057 Translated Insert Sequence

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```