

Specifications:

Gene:	<i>h</i> BTN3A1
Accession:	NP_008979
Insert size:	1555bp
Concentration:	10µg at 0.2µg/µL

*h*BTN3A1 cDNA Plasmid

BTN3A1 butyrophilin, subfamily 3, member A1 [*Homo sapiens* (human)]

Also known as: BTF5; BT3.1; CD277

Summary:

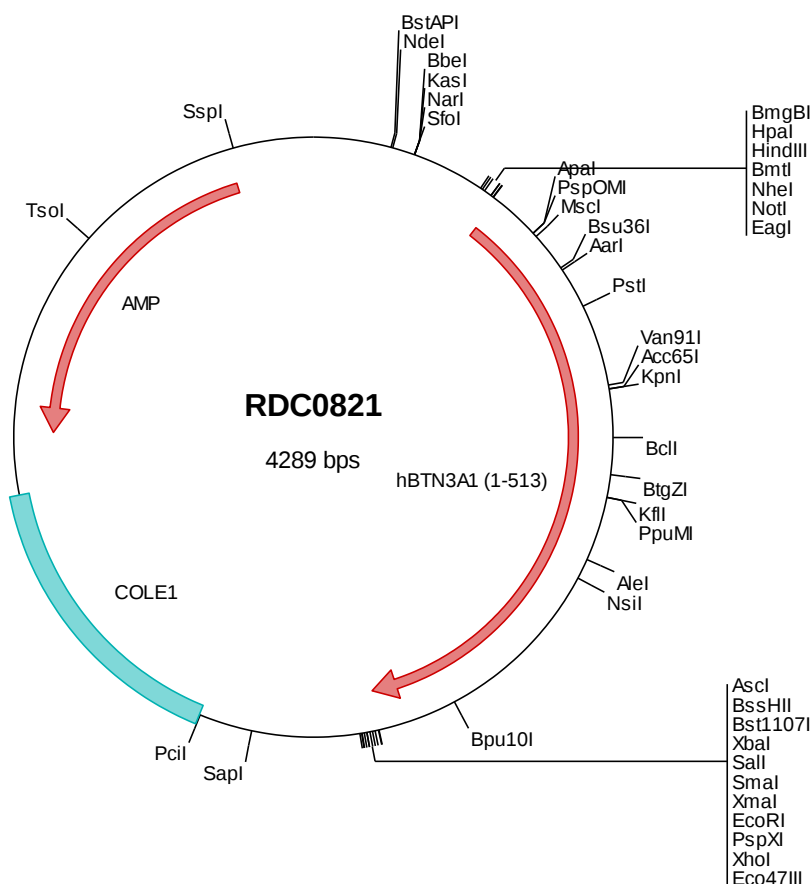
Butyrophilin BTN3A1 has high structural homology to the B7 superfamily of proteins and is expressed in various immune cells such as T and NK cells. BTN3A1 enhances TCR-induced cytokine production and cell proliferation. Early T-cell activation events such as TCR-induced cell signaling are increased upon BTN3A1 engagement. The BTN3A1 co-stimulatory pathway may be involved in the regulation of various cell-mediated immune responses.

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.





> RDC0821 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgcacac atgaaaaatg caagtttcct ggcccttcct ctgctcaact ttctgtctctg
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> RDC0821 Translated Insert Sequence

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201  lyavaasvim rgsssegvsc tirssllgle ktasiesiad ffrsaqrwia alagtlpvll lllggagyfl wqqqeekktq frkkkregel remawstmkq
301  eqstrvklle elrwrslqya srgerhsayn ewkkalfkpa dvildpktan pillvsedqr svgrakepqd lpdnperfnw hycvlgcesf isgrhywage
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501  lt1eptalti cpa
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