

**Specifications:**

Gene:	hIL15
Accession:	NP_000576
Insert size:	502bp
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**

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.

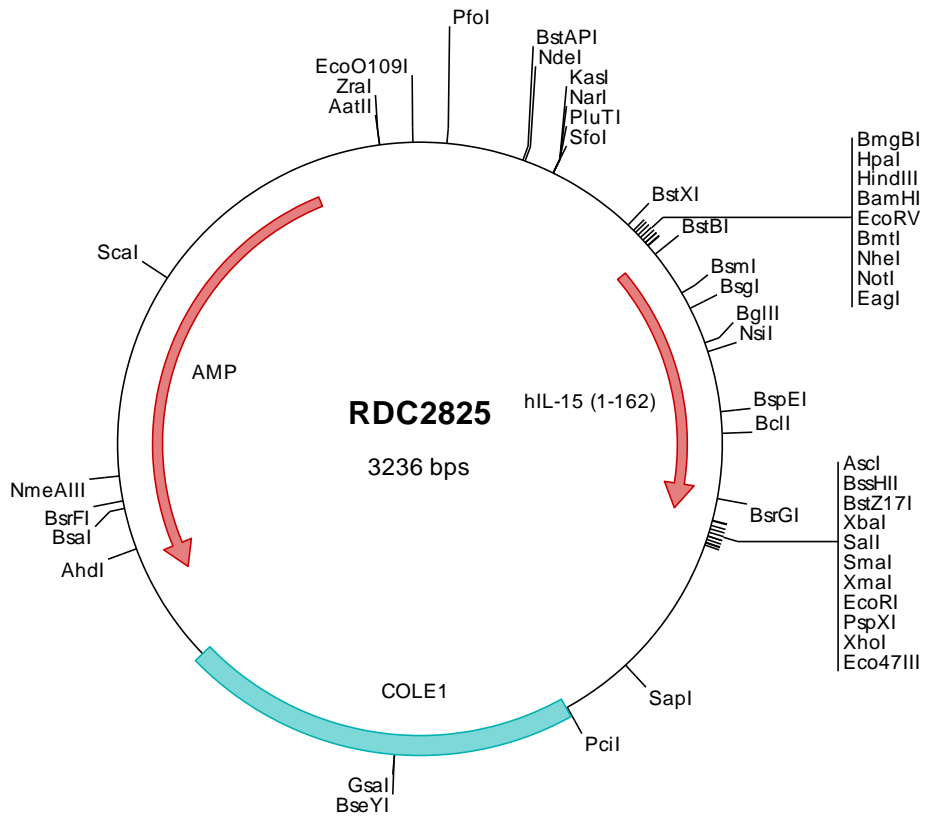
**hIL-15 cDNA Plasmid**

IL15 interleukin 15 [ *Homo sapiens* (human) ]

Also known as: IL-15

**Summary:**

IL-15 is a cytokine that regulates T and natural killer cell activation and proliferation. IL-15 and interleukin 2 share many biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between IL-15 and IL-2. IL-15 induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2825 Plasmid DNA Sequence

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1 tcgcgcgctt cgggatgac ggtgaaaacc totgacacat gcagctcccg gagacgggtc cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgcatt caggctcgc aactgttggg aagggcgatc ggtcgggcc tcttcctat
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3201 cctataaaaa taggcgtatc acgaggccct ttctgc

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> RDC2825 Translated Insert Sequence

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1 mriskphlrs isiqcylcll lnshflteag ihvfilgcfs aglpkteanw vnvisdlkki edliqsmhid atlytesdvh psckvtamkc fllelqvisl
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