

Specifications:

Gene:	hIL36B
Accession:	NP_775270
Insert size:	486bp
Concentration:	10µg at 0.2µg/µL

hIL-36β/IL-1F8 cDNA Plasmid

IL36B interleukin 36 beta [*Homo sapiens* (human)]

Also known as: FIL1; FIL1H; IL1F8; IL1H2; IL-1F8; IL-1H2; IL1-ETA; FIL1-(ETA); FIL1-(ETA)

Summary:

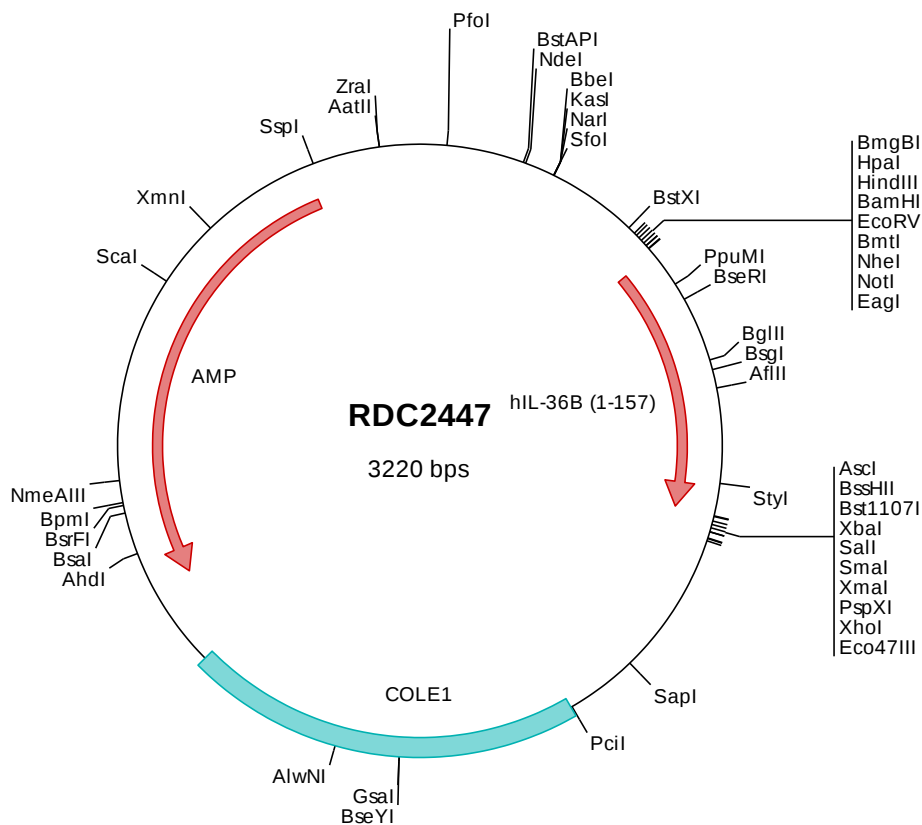
IL-36B is a member of the interleukin 1 cytokine family. IL-1 family cytokines are characterized by a 12 beta-stranded beta-trefoil configuration. IL36B is expressed by keratinocytes, naïve CD4⁺ T cells, neurons, and glia. It is up-regulated in keratinocytes and synovial fibroblasts by inflammatory stimulation and in psoriatic lesions. IL-36B promotes inflammatory responses by enhancing the activation and Th1 polarization of dendritic cells and T cells. It also enhances the production of multiple pro-inflammatory cytokines, chemokines, and anti-bacterial defensin peptides by keratinocytes, synovial fibroblasts, and articular chondrocytes. Alternatively spliced transcripts encoding different proteins have been described.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2447 Plasmid DNA Sequence

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> RDC2447 Translated Insert Sequence

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