

Specifications:

Gene:	hIL36B
Accession:	NP_055253
Insert size:	506bp
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.

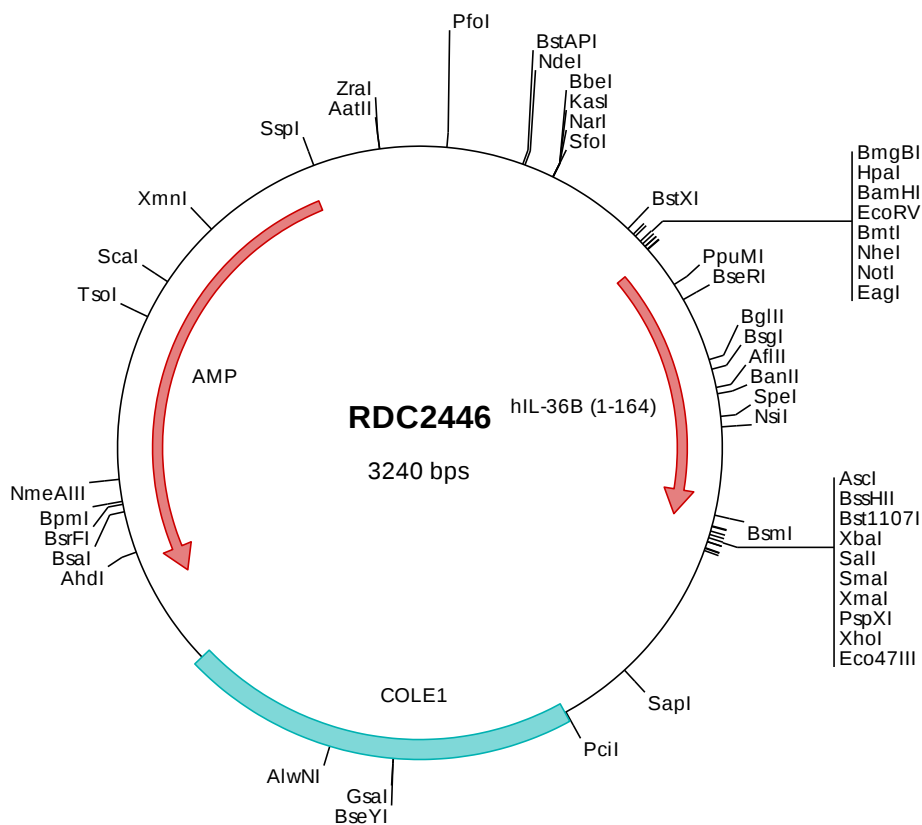
hIL-36β/IL-1F8 cDNA Plasmid

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. IL36B 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2446 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcccac atgaacccac aacgggaggg agcaccocaa tctatgcta ttctgtatct
501  tcgacagatg gtgtgggtcc tgagtggaaa ttctttaata gcagctctcc tttagcccgag cattaagcct gtcactcttc atttaatagc ctgtagagac
601  acagaattca gtgacaagga aaagggtaat atggtttacc tgggaatcaa gggaaaagat ctctgtctct tctgtgcaga aattcagggc aagcctactt
701  tcgagcttaa gcttcagggc tcccaagata acatagggaa ggacacttgc tggaaactag ttggaattca cactgcata aacctggatg tgagagagag
801  ctgcttcatg ggaacccctg accaatgggg aataggagtg ggtgaaaaga agtggaaagag ttcccttcaa catcacatc tcaggaagaa ggacaaagat
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2001 ggatctcaag aagatccttt gatcttttct acggggtctg acgctcagtg gaacgaaaac tcacgttaag ggattttggt catgagatta tcaaaaagga
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3001 aaaagggaat aaggcgacga cggaaatggt gaatactcat actcttctct ttccaatatt attgaaagcat ttatcagggt tattgtctca tgagcggata
3101 catatttgaa tgtatttaga aaaataaaca aatagggtt ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat tatcatgaca
3201 ttaacctata aaaataggcg tatcacgagg cctttctgct

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> RDC2446 Translated Insert Sequence

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1   mnpqreaapk syairdsrqm vwlsgnsli aaplsrsikp vtlhliacrd tefsdkekgm mvylgikgkd lclfcaeiiq kptlqlklqg sqdnigkdtc
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