*h*IL-21R VersaClone cDNA

Catalog Number: RDC1238

Specifications:

Gene:	*h*IL21R
Accession:	NP_068570
Insert size:	1630bp
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

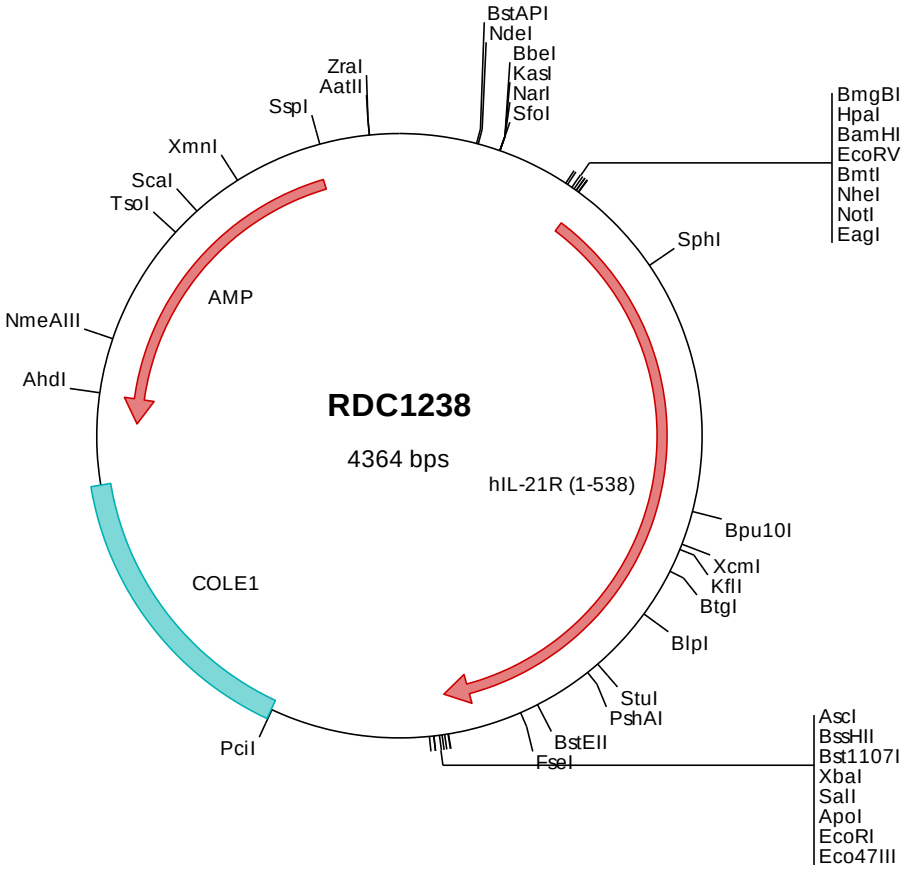
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*IL-21R cDNA Plasmid

IL21R interleukin 21 receptor
[*Homo sapiens* (human)]

Also known as: NILR; CD360

Summary:
IL21R is a cytokine receptor for interleukin 21 (IL21). It belongs to the type I cytokine receptors, and forms a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. IL21R transduces the growth promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of IL21R leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1238 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgccgcgtg gctgggccgc cccttgctc ctgctgctgc tccagggagg
 501  ctggggctgc cccgacctcg tctgctacac cgattacctc cagacggtca tctgcatcct ggaaatgtgg aacctccacc ccagcacgct caccttacc
 601  tggcaagacc agtatgaaga gctgaaggac gaggccacct cctgcagcct ccacaggtcg gcccacaatg ccacgcatgc cacctacacc tgccacatgg
 701  atgtattcca cttcatggcc gacgacattt tcagtgtcaa catcacagac cagtctggca actactccca ggagtgtggc agctttctcc tggctgagag
 801  catcaagccg gctccccctt tcaacgtgac tgtgaccttc tcaggacagt ataatatctc ctggcgctca gattacgaag accctgcctt ctacatgctg
 901  aagggcaagc ttcagtatga gctgcagtac aggaaccggg gagacccctg ggctgtgagt ccgaggagaa agctgatctc agtggactca agaagtgtct
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2001  gagctacctc cgccagtggg tggtcattcc tccgccactt tcgagccctg gaccccaggc cagctaaagg cgcgccagta tactctagag tcgacacccg
2101  gggaattcct cgagcgctcg tctctagctt ggcgtaatca tggtcatagc tgtttcctgt gtgaaattgt tatccgctca caattccaca caacatacga
2201  gccggaagca taaagtgtaa agcctggggt gcctaatgag tgagctaact cacattaatt gcgttgcgct cactgcccgc tttccagtcg ggaaacctgt
2301  cgtgccagct gcattaatga atcggccaac gcgcggggag aggcggtttg cgtattgggc gctcttccgc ttcctcgctc actgactcgc tgcgctcggt
2401  cgttcggctg cggcgagcgg tatcagctca ctcaaaggcg gtaatacggt tatccacaga atcaggggat aacgcaggaa agaacatgtg agcaaaaggc
2501  cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg cgtttttcca taggctccgc cccctgacg agcatcacaa aaatcgacgc tcaagtcaga
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> RDC1238 Translated Insert Sequence

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 201  ragpmpgssy qgtwsewsdp vifqtqseel kegwnphlll llllvivfip afwslkthpl wrlwkkiwav psperffmpl ykgcsgdfkk wvgapftgss
 301  lelgpwspev pstlevysch pprspakrlq ltelqepael vesdgvpkps fwptaqnsgg sayseerdrp yglvsidtvt vldaegpctw pcsceddgyp
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