

Specifications:

Gene:	mIl31
Accession:	NP_083870
Insert size:	505bp
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.

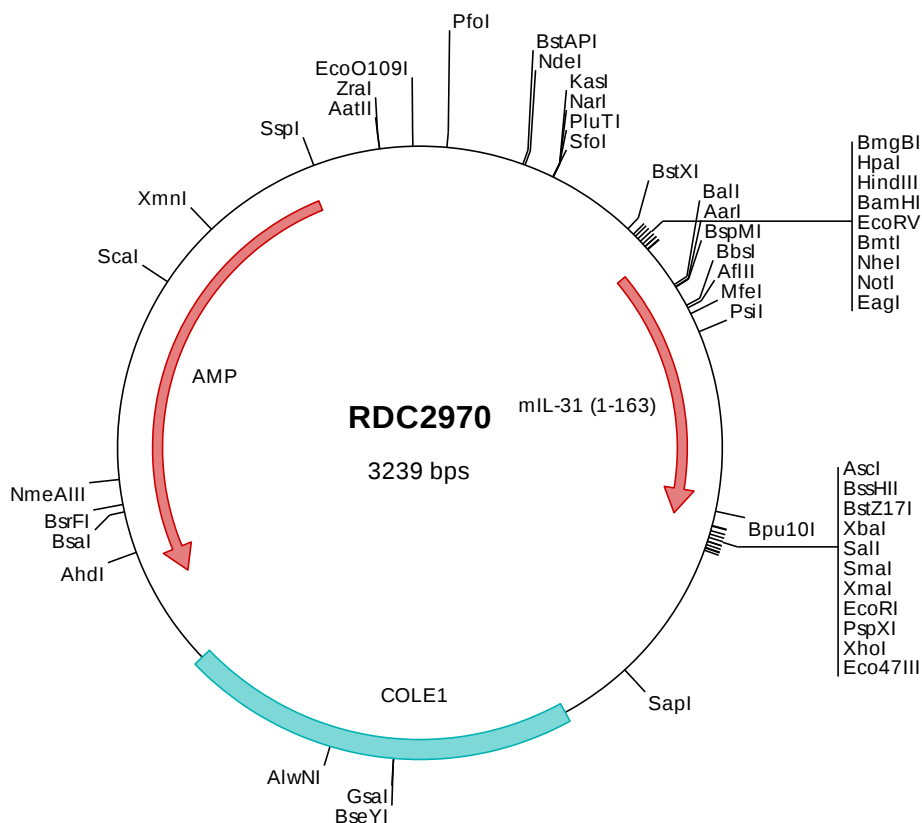
mIL-31 cDNA Plasmid

IL31 interleukin 31 [*Mus musculus* (house mouse)]

Also known as: 1700013B14Rik

Summary:

IL-31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA and OSMR that is constitutively expressed on epithelial cells and keratinocytes. IL-31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma.



> RDC2970 Plasmid DNA Sequence

```

1   tcgcgcgcttt  cggatgatgac  ggtgaaaaacc  tctgacacat  gcagctccccg  gagacgggtca  cagcttgtctc  gtaagcggat  gccgggagca  gacaagcccg
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgccacc  atgatcttcc  acacaggaac  aacgaagcct  accctgggtg  tgctttgctg
501  tataggaacc  tggctggcca  cctgcagctt  gtccctcggt  gccccaatat  cgaaggaaga  ctttaagaact  acaattgacc  tcttgaaaca  agagtctcag
601  gatctttata  acaactatag  cataaagcag  gcactctgga  tgtcagcaga  cgaatcaata  cagctgcogt  gtttcagcct  ggaccgggaa  gcattaacca
701  acatctcggt  catcatagca  catctggaga  aagtcaaaat  gttgagcgag  aacacagtag  atactctctg  ggtgataaga  tggctaacaa  acatcagctg
801  ttccaacca  ctgaatttaa  acattctctg  gcctggaaat  actgatgaat  cctatgattg  taaagtgttc  gtgcttacgg  ttttaagca  gttctcaaac
901  tgcattggcag  aactgcaggc  taaggacaat  actacatggt  aaaggcgcg  cagtatactc  tagagtcgac  acccggggaa  ttctcgagc  gctcgtctct
1001 agcttggcgt  aatcatggtc  atagctgttt  cctgtgtgaa  attgttatcc  gctcacaaat  ccacacaaca  tacgagccgg  aagcataaag  tgtaaagcct
1101 ggggtgccta  atgagtgagc  taactcacat  taattgcgtt  gcgctcactg  cccgctttcc  agtcgggaaa  cctgtcgtgc  cagctgcatt  aatgaatcgg
1201 ccaacgcgcg  gggagagggc  gtttgcgtat  ttggcgctct  tccgcttctc  cgctcactga  ctcgctgcgc  tcggctcgtt  ggtcgcggcg  agcggatatca
1301 gctcactcaa  aggcggtaat  acggttatcc  acagaaatcag  gggataacgc  aggaaagaac  atgtgagcaa  aaggccagca  aaaggccagg  aaccgtaaaa
1401 aggcccgctt  gctggcgctt  ttccataggc  tccgcccccc  tgacgagcat  ccaaaaaatc  gacgctcaag  tcagaggtgg  cgaaccacca  caggactata
1501 aagataccag  gcgtttcccc  ctggaagctc  cctcgtgcgc  tctcctgttc  cgacctgccc  gcttacccga  tacctgtccg  cctttctccc  ttcgggaagc
1601 gtggcgcttt  ctcaatgctc  acgctgtagg  tatctcagtt  cgggtaggtt  cgttcgctcc  aagctgggct  gtgtgcacga  acccccgtt  cagcccagcc
1701 gctgcgcctt  atccggtaac  tatcgtcttg  agtccaacco  ggtaagacac  gacttatcgc  cactggcagc  agccactggt  aacaggatta  cgagagcgag
1801 gtatgtaggc  ggtgctacag  agttcttgaa  gtgtggcgct  aactacggct  acactagaag  gacagtattt  ggtatctcgc  ctctgctgaa  gccagtacc
1901 ttcggaaaaa  gagttggtag  ctcttgatcc  ggcaaacaaa  ccacgcgtgg  tagcgggtgt  tttttgttt  gcaagcagca  gattacgcgc  agaaaaaag
2001 gatctcaaga  agatcctttg  atcttttcta  cgggtcttga  cgctcagtg  aacgaaaact  cacgttaagg  gattttgttc  atgagattat  caaaaaggat
2101 cttcacctag  atccttttaa  attaaaaatg  aagttttaaa  tcaatctaaa  gtatatatga  gtaaaacttg  tctgacagt  accaatgctt  aatcagttag
2201 gcacctatct  cagcgatctg  tctatttcgt  tcatccatag  ttgcctgact  cccgctcggt  tagataacta  cgatacggga  gggcttacca  tctggcccca
2301 gtgctgcaat  gatacccgca  gacccacgct  caccggctcc  agatttatca  gcaataaacc  agccagcccg  aagggccgag  cgcagaagtg  gtccctgcaac
2401 tttatccgcc  tccatccagt  ctattaattg  ttgcgggaa  gctagagtaa  gtggttcgcc  agttaaatgt  ttgcccacgc  ttgttgccat  tgctacagcc
2501 atcgtggtgt  cagcgtcgtc  gtttggatg  gcttcattca  gctccgggtc  ccaacgatca  aggcgagtta  catgatcccc  catgttgtgc  aaaaaagcgg
2601 ttagctcctt  cggtcctccg  atcgtgtgca  gaagtaagtt  ggccgcagtg  ttatcactca  tgggttatgc  agcactgcat  aattctctta  ctgtcatgcc
2701 atccgtaaga  tgcttttctg  tgaactggta  gtactcaacc  aagtcattct  gagaatagtg  tatgcggcga  ccgagttgct  tatgcccggc  gtcaatcagg
2801 gataataccg  cgccacatag  cagaacttta  aaagtgtcta  tcattggaaa  acgttcttcg  gggcgaaaac  tctcaaggat  cttaccgctg  ttgagatcca
2901 gtccgatgta  acccaactcg  gcaccaact  gatcttcagc  atcttttact  ttcaccagcg  tttctgggtg  agcaaaaaa  ggaaggcaaa  atgccgcaaa
3001 aaagggaata  agggcgacac  ggaatgttg  aataactcata  ctcttccttt  ttcaatatta  ttgaagcatt  tatcagggtt  attgtctcat  gagcggatac
3101 atatttgaat  gtatttagaa  aaataaaca  ataggggttc  gcgcacatt  tccccgaaa  gtgccacctg  acgtctaaga  aaccattatt  atcatgacat
3201 taacctataa  aaataggcgt  atcacgagcc  cctttcgtc

```

> RDC2970 Translated Insert Sequence

```

1   mifhtgttkp  tlvlccigt  wlatcslsfg  apiskedlrt  tidllkqesq  dlynnysikq  asgmsadesi  qlpcfsldre  altnisviia  hlekvkvlse
101  ntvdtswvir  wltniscfnp  lnlnisvpgn  tdesydkvfv  vltvikqfsn  cmaelqakdn  ttc

```