

Specifications:

Gene:	mIl5ra
Accession:	NP_032396
Insert size:	1261bp
Concentration:	10 μ g at 0.2 μ g/ μ L

mIL-5 R α cDNA Plasmid

IL5ra interleukin 5 receptor,
alpha [*Mus musculus* (house
mouse)]

Also known as: IL5r; CD125;
CDw125

Summary:

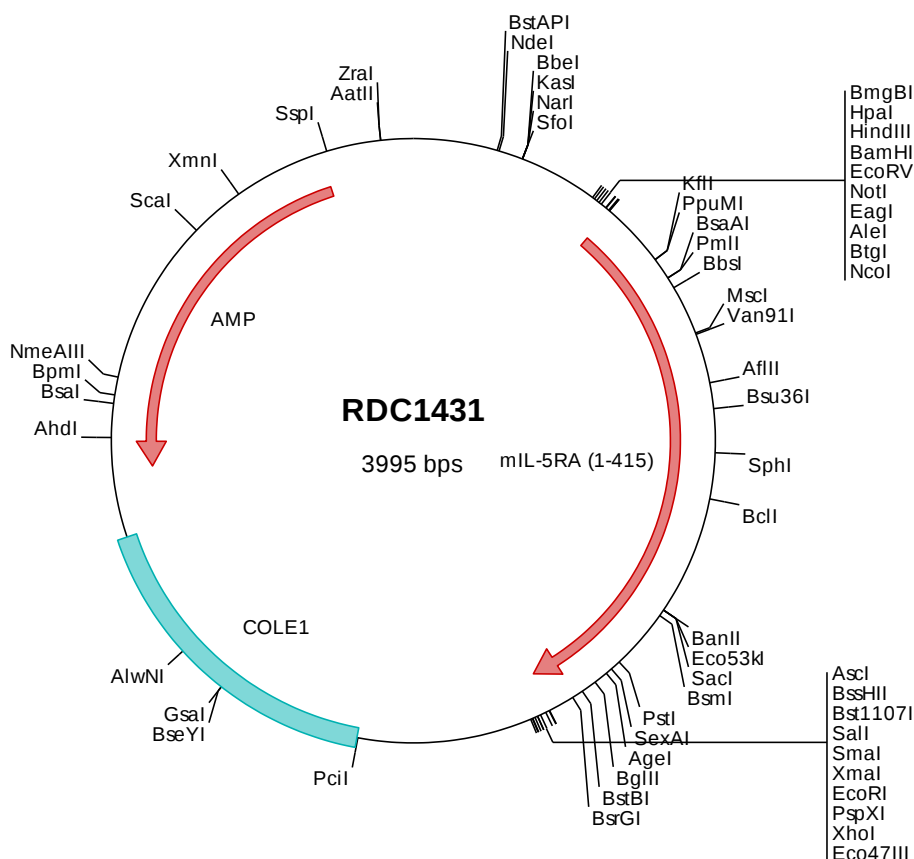
IL5RA is an interleukin 5 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of IL5RA to IL5 is dependent on the beta subunit. IL5RA has been found to interact with syndecan binding protein (syntenin), which is required for IL5-mediated activation of the transcription factor SOX4.

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.



> RDC1431 Plasmid DNA Sequence

```

1   tcgcgcgcttt  cggatgatgac  ggtgaaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgctct  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcccacc  atggtgcctg  tgttactaat  tcttgggga  gctttggcaa  cactgcaagc
501  tgacttaact  aatcacaaaa  agtttttact  tctaccacot  gtcaatttta  ccattaaagc  cactggatta  gctcaagttc  ttttactctg  ggaccacaa
601  cctgaccaag  agcaaaaggc  tgttgatcta  gagtatcag  tgaaaaataa  tgccccacaa  gaagacgaat  atgataccag  aaagactgaa  agcaaatgtg
701  tgacccccct  tcatgaaggc  ttgcagcta  cgtgaggac  cattctgaag  agcagccata  caactctggc  cagcagttgg  gtttctgctg  aactcaaaagc
801  tcaccaggga  tctcctggaa  cctcgtttac  gaatttaact  tgtaccacac  acactgttgt  aagtagccac  acccaactaa  ggccatacca  agtgtccctt
901  cgttgcaact  ggcttgttgg  gaaggatgcc  cctgaggaca  cacagtattt  cctatactac  aggtttggtg  ttttgactga  aaaatgcaa  gaatacagca
1001 gagatgcact  gaacagaaat  actgcattgt  ggtttcccag  gacatttatc  aacagcaaa  ggtttgaaca  gcttctgtg  cacattaatg  gctcaagcaa
1101 cgtgtctgca  atcaagccct  ttgatcagct  gttcagttca  cttgccattg  accaagttaa  tctccaagg  aatgtocag  tggaaattga  aagcaattct
1201 ccttatatac  agtgggagaa  accactttct  gcctttccag  atcattgctt  taactatgag  ctgaaaattt  acaacacaaa  aaatggtcac  attcagaagg
1301 aaaaactgat  cgcaataaag  tctcatctaa  aaattgatga  tgtttctaca  tattccaatt  aagtgaagac  agctgtgagc  tcaccttgca  gaactgacgg
1401 aaggtggggc  gagtggagtc  aaactattta  tgtgggaaag  gaaaggaaag  ccttggtaga  atggcatctc  attgtgtctc  caacagccgc  ctgctctgtc
1501 ttgttaatat  tctcactcat  cgcagagtg  tgtcatctat  ggaccaggtt  gtttccacgg  gttccggccc  caaagagtaa  catcaaatga  ctccctgtgg
1601 ttactgaata  tcgaaaacct  tcgaatgaaa  agttgtacat  agttgtggaag  aggttggaat  tgaagtcatg  ggaatttoca  cgttttaaa  g
1701 gcgcgcagct  atactctaga  gtcgacaccc  gggaatttcc  tcgagcgctc  gtctctagct  tggcgtaatc  atggtcatag  ctgtttctct  tgtgaaattg
1801 ttatccgctc  acaattccac  acaacatacg  agccggaagc  ataaagtgtg  aagcctgggg  tgccataatg  gtgagctaac  tcacattaat  tgcgttgccg
1901 tcaatgcccg  ctttccagct  gggaaaacct  tcgtgccagc  tgcattaatg  aatcgcccaa  gcgcggggga  gaggcggttt  gcgtattggg  cgctcttccg
2001 cttctcgcct  cactgactcg  ctgcgctcgg  tcgttcggct  cggcgcgagc  gtatcagctc  actcaaaggc  ggtaatacgg  ttatccacag  aatcagggga
2101 taacgcagga  aagaacatgt  gagcaaaagg  ccagcaaaag  gccaggaacc  gtaaaaaggc  cgctttctcg  cgcttttctc  ataggctccg  cccccctgac
2201 gagcatcaca  aaaaatcgagc  ctcaaatgag  accgagcgaa  actataaaga  taccaggcgt  tccccctgg  aagctccctc  atagctccct  gtgcgctctc
2301 ctgttccgac  cctgcccgtt  accggatacc  tgtccgcctt  tctcccttcg  ggaagcgtgg  cgctttctca  atgtctacgc  tgtaggtatc  tcaagttcgt
2401 taggttcgtt  cgttccaagc  tgggctgtgt  gcacgaaccc  cccgttcagc  ccgaccgctg  cgctttatcc  ggtaactatc  gtcttgagtc  caaccgggta
2501 agacacgact  tctcgccact  ggcagcagcc  actggttaac  ggattagcag  agcaggggat  gtaggcggtg  ctacagagtt  ctgaaagtgg  tggcctaact
2601 acggctacac  tagaaggaca  gtatttggtg  tctgcgctct  gctgaagcca  gttacccttc  gaaaaagagt  tggtagctct  tgatccggca  aacaaaccac
2701 cgctggtagc  ggtggttttt  ttgtttgcaa  gcagcagatt  acgcgcagaa  aaaaaggatc  tcaagaagat  cctttgatct  tttctacggg  gctgacgct
2801 cagtggaaag  aaaaatcacg  ttaagggtat  ttggtcatga  gattatcaaa  aaggatcttc  acctagatcc  ttttaaatta  aaaatgaagt  tttaaatcaa
2901 tctaaagtat  atatgagtaa  acttggctct  acagttacca  atgtctaatc  agtgaggcac  ctatctcagc  gatctgtcta  tttcgttcat  ccatagttgc
3001 ctgactcccc  gtcgtgtaga  taactacgat  acgggagggc  ttaccatctg  gccccagtgc  tgcaatgata  ccgcgagacc  cagctcacc  ggctccagat
3101 ttatcagcaa  taaaccagcc  agccggaagg  gccgagcgca  gaagtgttcc  tgcaacttta  tccgcctcca  tccagtctat  taattgttgc  cgggaagcta
3201 gagtaagtag  ttccgcagtt  aatagtttgc  gcaacgttgt  tgccattgct  acaggcatcg  tgggtgcacg  ctgctgcttt  ggtatggctt  cattcagctc
3301 cggttcccaa  cgatccaagg  gaggttacatg  atccccatg  ttgtgcaaaa  aagcggttag  ctccctcggt  cctccgatcg  ttgtcagaag  taagtgggcc
3401 gcagtgttat  cactcatggt  tatggcagca  ctgcataatt  ctcttactgt  catgccatcc  gtaagatgct  tttctgtgac  tgggtagtag  tcaaccaagt
3501 cattctgaga  atagtgtatg  cggcgaccga  gttgtctctg  cccggcgta  atacgggata  ataccgcgcc  acatagcaga  actttaaaag  tgcctcatct
3601 tggaaaacgt  tcttcggggc  gaaaactctc  aaggatctta  ccgctgttga  gatccagttc  gatgtaacct  actcgtgcac  ccaactgac  ttcagcatct
3701 tttactttca  ccagcgtttc  tgggtgagca  aaaacaggaa  ggcaaaatgc  cgcaaaaag  ggaataaggg  cgacacggaa  atgttgaata  ctcatactct
3801 tcccttttca  atattattga  agcatttatc  agggttattg  tctcatgagc  ggatacatat  ttgaattgat  ttagaaaaat  aaacaaatag  ggggtccgcg
3901 cacatttccc  cgaaaagtgc  cacctgacgt  ctaagaaacc  attattatca  tgacattaac  ctataaaaat  aggcgtatca  cgaggccctt  tcgctc

```

> RDC1431 Translated Insert Sequence

```

1   mvpvllilvg  alatlgadll  nhkkflllpp  vnftikatgl  agvllhwdpn  pdqegrhvd  eyhvkina  pgedydrkte  skcvtplh  ege  faasvrtilk
101  ssthtlassw  vsaelkappg  spgtsvtnlt  ctthtvvssh  thlrpyqvs  lrcwlvkgda  pedtgyfly  rfgvlteko  eysrdaln  rnt  tacwfpptfi
201  nskgfeqlav  hingsskraa  ikpfdqlfsp  laidqvnppr  nvtveiesns  lyiqwekpls  afpdhcfnye  lkiyntkngh  iqkekliank  fiskiddvst
301  ysiqvraavs  spcrmpgrwg  ewsqpiyvkg  erkslvewhl  iylvtaacfv  llifsliecrv  chlwlrlfpp  vpapksnikd  lpvvttey  eke  p  snetkievvh
401  cveevgfvev  gnstf

```