*m*IL17RA VersaClone cDNA

Catalog Number: RDC0635

Specifications:

Gene:	*m*IL17RA
Accession:	NP_032385
Insert size:	2608bp
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

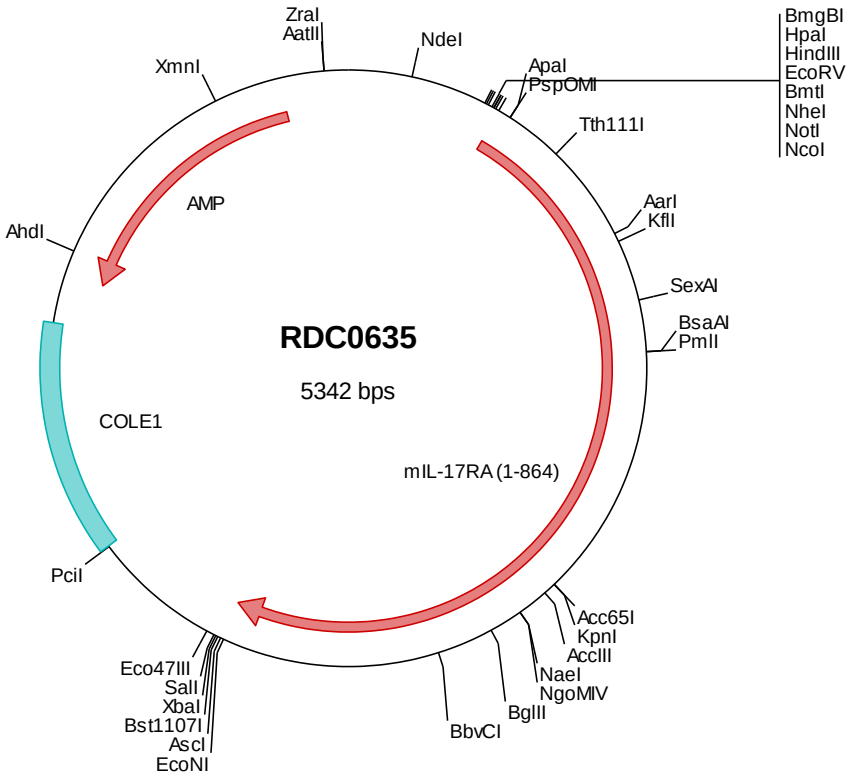
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*IL17RA cDNA Plasmid

Il17ra interleukin 17 receptor A
[*Mus musculus* (house mouse)]

Also known as: Il17r; Cdw217; VDw217

Summary:
Interleukin 17A (IL17A), a proinflammatory cytokine secreted by activated T-lymphocytes, is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. IL17RA is a type I membrane glycoprotein that binds to interleukin 17A with low affinity. It has a multimeric structure and plays a pathogenic role in many inflammatory and autoimmune diseases.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0635 Plasmid DNA Sequence

```
   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 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 atggctattc gtcgctgctg gccacgggtc gtccccgggc ccgcgctggg
 501  atggctgctt ctgctgctga acgttctggc cccgggccgc gcctccccgc gcctcctcga cttcccggct ccggtctgcg cgcaggaggg gctgagctgc
 601  agagtcaaga atagtacttg tctggatgac agctggatcc accccaaaaa cctgaccccg tcttccccaa aaaacatcta tatcaatctt agtgtttcct
 701  ctacccagca cggagaatta gtccctgtgt tgcatgttga gtggaccctg cagacagatg ccagcatcct gtacctcgag ggtgcagagc tgtccgtcct
 801  gcagctgaac accaatgagc ggctgtgtgt caagttccag tttctgtcca tgctgcagca tcaccgtaag cggtggcggt tttccttcag ccactttgtg
 901  gtagatcctg gccaggagta tgaagtgact gttcaccacc tgccgaagcc catccctgat ggggacccaa accacaaatc caagatcatc tttgtgcctg
1001  actgtgagga cagcaagatg aagatgacta cctcatgcgt gagctcaggc agcctttggg atcccaacat cactgtggag accttggaca cacagcatct
1101  gcgagtggac ttcaccctgt ggaatgaatc cacccctac caggtcctgc tggaaagttt ctccgactca gagaaccaca gctgctttga tgtcgttaaa
1201  caaatatttg cgcccaggca agaagaattc catcagcgag ctaatgtcac attcactcta agcaagtttc actggtgctg ccatcaccac gtgcaggtcc
1301  agcccttctt cagcagctgc ctaaatgact gtttgagaca cgctgtgact gtgccctgcc cagtaatctc aaataccaca gttcccaagc cagttgcaga
1401  ctacattccc ctgtgggtgt atggcctcat cacactcatc gccattctgc tggtgggatc tgtcatcgtg ctgatcatct gtatgacctg gaggctttct
1501  ggcgccgatc aagagaaaca tggtgatgac tccaaaatca atggcatctt gcccgtagca gacctgactc cccaccccct gaggcccagg aaggtctgga
1601  tcgtctactc ggccgaccac cccctctatg tggaggtggt cctaaagttc gcccagttcc tgatcactgc ctgtggcact gaagtagccc ttgacctcct
1701  ggaagagcag gttatctctg aggtgggggt catgacctgg gtgagccgac agaagcagga gatggtggag agcaactcca aaatcatcat cctgtgttcc
1801  cgaggcaccc aagcaaagtg gaaagctatc ttgggttggg ctgagcctgc tgtccagcta cggtgtgacc actggaagcc tgctggggac cttttcactg
1901  cagccatgaa catgatcctg ccagacttca agaggccagc ctgcttcggc acctacgttg tttgctactt cagtggcatc tgtagtgaga gggatgtccc
2001  cgacctcttc aacatcacct ccaggtaccc actcatggac agatttgagg aggtttactt ccggatccag gacctggaga tgtttgaacc cggccggatg
2101  caccatgtca gagagctcac aggggacaat tacctgcaga gccctagtgg ccggcagctc aaggaggctg tgcttaggtt ccaggagtgg caaacccagt
2201  gccccgactg gttcgagcgt gagaacctct gcttagctga tggccaagat cttccctccc tggatgaaga agtgtttgaa gacccactgc tgccaccagg
2301  gggaggaatt gtcaaacagc agcccctggt gcggaactc ccatctgacg gctgccttgt ggtagatgtc tgtgtcagtg aggaagaaag tagaatggca
2401  aagctggacc ctcagctatg gccacagaga gagctagtgg ctcacaccct ccaaagcatg gtgctgccag cagagcaggt ccctgcagct catgtggtgg
2501  agcctctcca tctcccagac ggcagtggag cagctgccca gctgcccatg acagaggaca gcgaggcttg cccgctgctg ggggtccaga ggaacagcat
2601  cctttgcctc cccgtggact cagatgactt gccactctgt agcaccccaa tgatgtcacc tgaccacctc caaggcgatg caagagagca gctagaaagc
2701  ctaatgctct cggtgctgca gcagagcctg agtggacagc ccctggagag ctggccgagg ccagaggtgg tcctcgaggg ctgcacaccc tctgaggagg
2801  agcagcggca gtcggtgcag tcggaccagg gctacatctc caggagctcc ccgcagcccc ccgagtggct cacggaggag gaagagctag aactgggtga
2901  gcccgttgag tctctctctc ctgaggaact acggagcctg aggaagctcc agaggcagct tttcttctgg gagctcgaga agaaccctgg ctggaacagc
3001  ttggagccac ggagacccac cccagaagag cagaatccct cctaaaggcg cgccagtata ctctagagtc gacacccggg gaattcctcg agcgctcgtc
3101  tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt gaaattgtta tccgctcaca attccacaca acatacgagc cggaagcata aagtgtaaag
3201  cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg tgccagctgc attaatgaat
3301  cggccaacgc gcggggagag gcggtttgcg tattgggcgc tcttccgctt cctcgctcac tgactcgctg cgctcggtcg ttcggctgcg gcgagcggta
3401  tcagctcact caaaggcggt aatacggtta tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta
3501  aaaaggccgc gttgctggcg tttttccata ggctccgccc ccctgacgag catcacaaaa atcgacgctc aagtcagagg tggcgaaacc cgacaggact
3601  ataaagatac caggcgtttc cccctggaag ctccctcgtg cgctctcctg ttccgaccct gccgcttacc ggatacctgt ccgcctttct cccttcggga
3701  agcgtggcgc tttctcaatg ctcacgctgt aggtatctca gttcggtgta ggtcgttcgc tccaagctgg gctgtgtgca cgaacccccc gttcagcccg
3801  accgctgcgc cttatccggt aactatcgtc ttgagtccaa cccggtaaga cacgacttat cgccactggc agcagccact ggtaacagga ttagcagagc
3901  gaggtatgta ggcggtgcta cagagttctt gaagtggtgg cctaactacg gctacactag aaggacagta tttggtatct gcgctctgct gaagccagtt
4001  accttcggaa aaagagttgg tagctcttga tccggcaaac aaaccaccgc tggtagcggt ggtttttttg tttgcaagca gcagattacg cgcagaaaaa
4101  aaggatctca agaagatcct ttgatctttt ctacggggtc tgacgctcag tggaacgaaa actcacgtta agggattttg gtcatgagat tatcaaaaag
4201  gatcttcacc tagatccttt taaattaaaa atgaagtttt aaatcaatct aaagtatata tgagtaaact tggtctgaca gttaccaatg cttaatcagt
4301  gaggcaccta tctcagcgat ctgtctattt cgttcatcca tagttgcctg actccccgtc gtgtagataa ctacgatacg ggagggctta ccatctggcc
4401  ccagtgctgc aatgataccg cgagacccac gctcaccggc tccagattta tcagcaataa accagccagc cggaagggcc gagcgcagaa gtggtcctgc
4501  aactttatcc gcctccatcc agtctattaa ttgttgccgg gaagctagag taagtagttc gccagttaat agtttgcgca acgttgttgc cattgctaca
4601  ggcatcgtgg tgtcacgctc gtcgtttggt atggcttcat tcagctccgg ttcccaacga tcaaggcgag ttacatgatc ccccatgttg tgcaaaaaag
4701  cggttagctc cttcggtcct ccgatcgttg tcagaagtaa gttggccgca gtgttatcac tcatggttat ggcagcactg cataattctc ttactgtcat
4801  gccatccgta agatgctttt ctgtgactgg tgagtactca accaagtcat tctgagaata gtgtatgcgg cgaccgagtt gctcttgccc ggcgtcaata
4901  cgggataata ccgcgccaca tagcagaact ttaaaagtgc tcatcattgg aaaacgttct tcggggcgaa aactctcaag gatcttaccg ctgttgagat
5001  ccagttcgat gtaacccact cgtgcaccca actgatcttc agcatctttt actttcacca gcgtttctgg gtgagcaaaa acaggaaggc aaaatgccgc
5101  aaaaaaggga ataagggcga cacggaaatg ttgaatactc atactcttcc tttttcaata ttattgaagc atttatcagg gttattgtct catgagcgga
5201  tacatatttg aatgtattta gaaaaataaa caaatagggg ttccgcgcac atttccccga aaagtgccac ctgacgtcta agaaaccatt attatcatga
5301  cattaaccta taaaaatagg cgtatcacga ggccctttcg tc
```

> RDC0635 Translated Insert Sequence

```
  1  mairrcwprv vpgpalgwll lllnvlapgr asprlldfpa pvcaqeglsc rvknstcldd swihpknltp sspkniyinl svsstqhgel vpvlhvewtl
101  qtdasilyle gaelsvlqln tnerlcvkfq flsmlqhhrk rwrfsfshfv vdpgqeyevt vhhlpkpipd gdpnhkskii fvpdcedskm kmttscvssg
201  slwdpnitve tldtqhlrvd ftlwnestpy qvllesfsds enhscfdvvk qifaprqeef hqranvtftl skfhwcchhh vqvqpffssc lndclrhavt
301  vpcpvisntt vpkpvadyip lwvyglitli aillvgsviv liicmtwrls gadqekhgdd skingilpva dltppplrpr kvwivysadh plyvevvlkf
401  aqflitacgt evaldlleeq visevgvmtw vsrqkqemve snskiiilcs rgtqakwkai lgwaepavql rcdhwkpagd lftaamnmil pdfkrpacfg
501  tyvvcyfsgi cserdvpdlf nitsryplmd rfeevyfriq dlemfepgrm hhvreltgdn ylqspsgrql keavlrfqew qtqcpdwfer enlcladgqd
601  lpsldeevfe dpllppgggi vkqqplvrel psdgclvvdv cvseeesrma kldpqlwpqr elvahtlqsm vlpaeqvpaa hvveplhlpd gsgaaaqlpm
701  tedseacpll gvqrnsilcl pvdsddlplc stpmmspdhl qgdareqles lmlsvlqqsl sgqpleswpr pevvlegctp seeeqrqsvq sdqgyisrss
801  pqppewltee eelelgepve slspeelrsl rklqrqlffw eleknpgwns leprrptpee qnps
```