

Specifications:

Gene:	hIL10RA
Accession:	NP_001549
Insert size:	1750bp
Concentration:	10 μ g at 0.2 μ g/ μ L

hIL-10R α cDNA Plasmid

IL10RA interleukin 10 receptor,
alpha [*Homo sapiens* (human)]

Also known as: CD210; IL10R;
CD210a; CDW210A; HIL-10R; IL-
10R1

Summary:

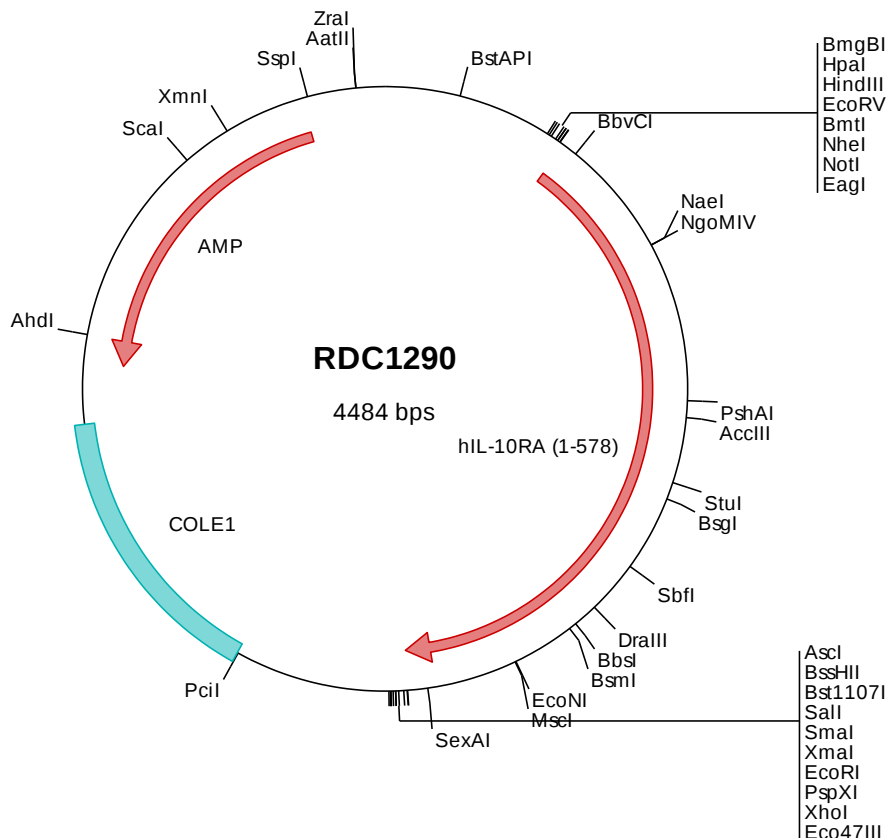
IL10RA is a transmembrane glycoprotein and is member of the class II cytokine receptor family. IL10RA is required for mediating the effects of IL10, a critical molecule in the control of microbial infections and allergic and autoimmune inflammation. IL10RA is reported to promote survival of progenitor myeloid cells through the insulin receptor substrate-2/PI 3-kinase/AKT pathway. Activation of IL10RA leads to tyrosine phosphorylation of JAK1 and TYK2 kinases.

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.





> RDC1290 Plasmid DNA Sequence

```
1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgattt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgcaccc atgctgcgct gcctcgtagt gctgctggcg gcgctcctca gcctcgcgtc
501  gtctccagac gctcatggga cagagctgcc cagccctccg tctgtgtggt ttgaagcaga atttttccac cacatcctcc actggacacc catcccaaat
601  cagtctgaaa gtacctgcta tgaagtggcg ctcctgaggt atggaataga gtcctggaac tccatctcca actgtagcca gacctgttcc tatgacctta
701  ccgcagtgac cttggacctg taccacagca atggctaccg ggccagagtg cgggctgttg acggcagccg gcactccaac tggaacctga ccaacaccgc
801  cttctctgtg gatgaagtga ctctgacagt tggcagtggt aacctagaga tccacaatgg cttcactctc gggaagattc agctaccocg gcccagatg
901  gcccccgcaa atgacacata tgaagcattc ttcagtcact tcagagagta tgagattgcc attcgcaagg tgccgggaaa cttcacgttc acacacaaga
1001 aagtaaaaaca tgaaaacttc agcctcctaa cctctggaga agtgggagag ttctgtgttc aggtgaaacc atctgtcgct tcccgaagta acaaggggat
1101 ctgggtctaaa gagggaatgc tctccctcac caggcagtat ttcaccgtga ccaacgtcat catctctctt gcctttgtcc tgctgctctc cggagccctc
1201 gcctactgcc tgccctccca gctgtatgtg cggcgccgaa agaagctacc cagtgctcctg ctcttcaaga agcccagccc cttcactctc atcagccagc
1301 gtccctcccc agagacccaa gacaccatcc accgccttga tgaggaggcc tttttgaaag tgctcccaga gctgaagaac ttggacctgc acggcagcac
1401 agacagtggc tttggcagca ccaagccatc cttgacagct gaagagcccc agttctctct ccctgacctc caccccaggg ctgacagaac gctgggaaac
1501 agagagccccc ctgtgctggg ggacagctgc agttagtgga gcagcaatag cacagacagc gggatctgcc tgccagagcc cagcctgagc ccagcacagc
1601 ggcccaacctg ggagcaacag gtggggagca acagcagggg ccaggatgac agtggcattg acttagttca aaactctgag ggccggggctg gggacacaca
1701 gggtggctcg gccttgggccc accacagctc cocggagcct gaggtgctcg gggaagaaga cccagctgct gtggcattcc agggttacct gagggcagcc
1801 agatgtgctg aagagaaggg aaaccaagaca ggtcgcctgg aggaagaatc gccttgcaca gatggccttg gccccaaatt cgggagatgc ctggttgatg
1901 aggcaggctt gcctccacca gccttgcca agggtctatt gaaacaggat cctctagaaa tgactctggc ttcctcaggg gccccaaagg gacagtgga
2001 ccagctccact gagggaatgt cactcctggc cttgagcagc tgagtgagcc tgaggaaatc tgactggagc tttgcccatg accttgcccc tctagctgtg
2101 gtggcagccc caggtgtctc cctgggcagc tttaactcag acctggtcac cctgcccccc atctctagcc tgcaagtcaag tgagtaaaag cgcgcagta
2201 tactctagag tcgacacccc gggaattcct cgagcgcctg tctctagctt ggcgtaatca tggtcatagc tggttctctg gtgaaattgt tatccgctca
2301 caattccaca caacatacga gccgggaagca taaagtgtaa agcctggggt gcctaatgag tgagctaact gcgttgcgct cactgccccg tgagccccc
2401 tttccagtcg ggaaacctgt ctgcccagct gcattaatga atcgcccaac gcgcggggag aggcggtttg cgtattgggc gctcttccgc ttcctcgctc
2501 actgactcgc tgccctcggt cgttcggctg cggcgagcgg tatcagctca ctcaaaaggc gtaatacggg tatccacaga atcaggggat aacgcaggaa
2601 agaaacatgt agcaaaaagg cagcaaaaag ccaggaaacc taaaaaggcc gcgttgctgg cgtttttcca taggctccgc cccctgacg agcatcacaa
2701 aaatcgacgc tcaagtacga ggtggcgaaa ccgcacagga ctataaagat accagcgctt cccccttga agctccctcg tgccctctcc tgttccgacc
2801 ctgcgcgtta ccggatacct gtccgccttt ctcccttcgg gaagcgtggc gctttctcaa tgctcacgct gtaggtatct cagttcgggt taggtcgttc
2901 gtcccaagct ggcgtgtgtg cacgaacccc ccgttcagcc cgacgtgagc gccttatccc gtaactatcg tcttgagtcc aacccggtaa gacacgactt
3001 atcgccactg gcagcagcca ctggtaacag gattagcaga gcgaggtatg taggcggtgc tacagagttc ttgaagtggg ggcctaacta cggctacact
3101 agaaggacag tatttggtat ctgcgctctg ctgaagccag ttaccttcgg aaaaagagtt ggtagctctt gatccggcaa acaaccacc gctggtagcg
3201 gtggtttttt tggttgcaag cagcagatta ccgcagaaaa aaaaggatct caagaagatt ctttgatctt ttctacgggg tctgacgctc agtggaacga
3301 aaactcactg taagggattt tggtcatgag attatcaaaa aggatcttca ccagatctct tttaaaatt aaatgaagtt ttaaatcaat ctaaagtata
3401 tatgagtaaa cttggctctg cagttaccaa tgcttaatca gtgaggcacc tatctcagcg atctgtctat ttcgttcatc catagttgac tgactccccg
3501 tcgtgtagat aactacgata cgggagggct taccatctgg ccccagtgct gcaatgatac acgctcaccg gcctccagatt tatcagcaat agtggaacga
3601 aaaccagcca gccggaaggg ccgagcgcag aagtggctct gcaactttat ccgcctccat ccagctctatt aattgttgcc gggaagctag agtaagtagt
3701 tcgcagttta atagtttggc gcaactgtgt gcattgtcta caggcactcg ggtgtcacgc ctcgtctttg gtatggcttc attcagctcc ggttcccaac
3801 gatcaaggcg agttacatga tcccccatgt tgtgcaaaaa agcggttagc tccctcggtc ctccgatcgt tgctcagaag aagttggccg cagtggtatc
3901 actcatggtt atggcagcac tgcatatttc tcttactgtc atgccatcgc taagatgctt ttctgtgact ggtagtagct caaccaagtc attctgagaa
4001 tactgtatgc ggcgaccgag ttgctcttgc ccggcgctcaa tacgggataa taccgcgcca catagcagaa ctttaaaagt gctcatcatc ggaaaacggt
4101 cttcggggcg aaaaactctca aggatcttac cgctgtttag atccagttcg atgtaaccca ctcgtgcacc caactgatct tcagcatctt ttactttcac
4201 cagcgtttct gggtgagcaa aaacaggaag gcataatgcc gcaaaaaagg gaataaggcg gacacggaaa tggtgaatac tcatactctt cctttttcaa
4301 tattattgaa gcattttatc gggttattgt ctcatgagcg gtacatatct tgaattgatt tagaaaaata aacaaatagg ggttccgcgc acatttcccc
4401 gaaaagtgcc acctgacgtc taagaaacca ttattatcat gacattaacc tataaaaaata ggcgatatcac gaggcccttt cgtc
```

> RDC1290 Translated Insert Sequence

```
1   mlpclvlla allslrlgsd ahgtelpspv swwfeaeffh hilhwtpipn qsestcyeva llrygieswn sisncsqtls ydltavtldl yhsngyrrar
101  ravgdsrhn wtvtntrfsv devltlvgsv nleihngfil gkiqlprpkm apandtyesi fshfreyeia irkvpgnftf thkkvkhenf slttsgevge
201  fcqvkvpsva srsnkgmwsx eecisltrqy ftvtnviiff afvlllsgal ayclalqlyv rrrkkklpsvl lfkklpspfi isqrpspetq dtihpldeea
301  flkvspelkn ldlhgstdsf fgstkpslqt eepqfllpdp hpqadrtlgn reppvlqdsf ssgssnstds giclkpsls pstgptweqq vgsnsrgqdd
401  sgidlvgnse gragdtqggs alghhsppep evpgeedpaa vafqgyrlrt rcaekkatkt gcleesplst dglgpkfgrc lvdeaglhpp alakgylkqd
501  plemtlassg aptgqwnqpt eewslallss csdlgisdws fahdlaplgc vaapggllgs fnsdlvltpl isslqsse
```