*cyno*IL-23R VersaClone cDNA

Catalog Number: RDC2517

Specifications:

Gene:	*cyno*IL-23 R
Accession:	XP_005543141
Insert size:	1903bp
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

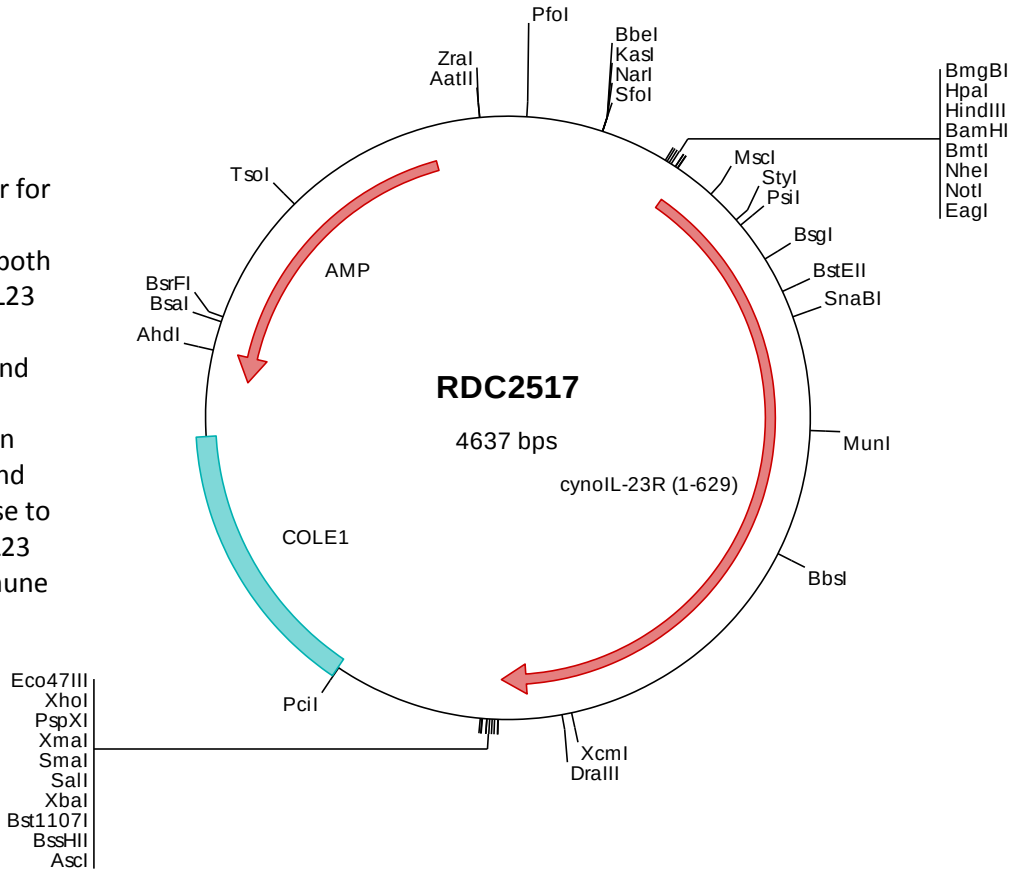
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*cyno*IL-23R cDNA Plasmid

IL23R interleukin 23 receptor [*Macaca fascicularis* (crab-eating macaque)]

Summary:

IL23R is a subunit of the receptor for IL23A/IL23. IL23R pairs with the receptor molecule IL12RB1 and both are required for IL23 signaling. IL23 initiates a signal transduction cascade similar to that of IL12, and involves Jak2, Tyk2, Stat1, Stat3, Stat4, and Stat5. IL23 functions in innate and adaptive immunity and may participate in acute response to infection in peripheral tissues. IL23 may be responsible for autoimmune inflammatory diseases and be important for tumorigenesis.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
a bio-techne brand

> RDC2517 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 atgaatcagg tcactattca atgggatgct gtaatagccc tttacatact
 501  cttcagttgg tgtcatggag gaattacaaa tataaactgc tctggccaca tttgggtaga accagccaca atttttaaga tgggtatgaa tatctctata
 601  tattgccaag cagcaattaa gaactgccaa ccaaggcaac ttcattttta taaaaatggc atcaaagaaa gatttgaaat cacaaggatt aataaaacaa
 701  cagctcggct ttggtataaa aactttctgg aaccacacgc ttccatgtac tgcactgctg aatgtcccaa tcattttcaa gagacactga tatgtggaaa
 801  agacatttct tctggatatc cgccagatgt tcctgatgag gtaacctgtg tcatttatga atattcaggc aacatgactt gcacctggaa tgctgggaag
 901  ctcacctacg tagacacaaa atacgtggtg catgtgaaga gtttagagac agaagaagag caacagtatc tcacctcaag ctatattaac atctccactg
1001  attcattaca aggtggcaag aagtacttgg tttgggtcca agcagaaaat gcactaggca tggaagagtc aaaacaactg caaattcacc tggacgatat
1101  agtgatacct tctgcatcca tcatttccag ggctgagact ataaatgcta cagtgcccaa gaccataatt tattgggaca gtcaaacaac aattgaaaag
1201  gtttcctgtg aaatgagata caaggctaca acaaaccaaa cttggaatgt taaagaattt gacaccaatt ttacatatgt gcaacagtca gaattctact
1301  tggagccaaa catcaagtac atatttcaag tgagatgtca agaaacaggc aaaaggtact ggcaggcttg gagttcacca ttttttcata aaacacctga
1401  aacagttccc caggtcacat caaaatcatc ccaacacaac acatggaatt ctgggctaac agttgcttcc atctccacag gacaccttac ttctgacaac
1501  agagaagaca ttggactttt attgggaatg atcgtctttg ctgttatgtt gtcaattctt tctctgattg ggatatttaa cagatcactc cgaactggga
1601  ttaaaagaag gatattattg ttaataccaa aatggcttta tgaagatatt cctaatatga aaaacagcaa tgttgtgaaa atgctacagg aaaataatga
1701  acttatgaat aataattcca gtgagcaggt cctatatgtt gatcccacga ttacagagat aaaagaaatc tttatcccag aacacaagcc tacagactac
1801  aagaaggaga atacaggacc cctggagaca agagactacc tgcaaaactc gctatttgac aatactacgg ttgtgtatat tcctgatctc aacactggat
1901  ataaacccca aatttcaaat tttctgcctg ggagaagccg tctcagcaat aatgatgaaa tcacttcctt aacacttaaa ccaccagttg actccttaga
2001  ctcaggaaat aatcccaggt cacaaaagca tcctaatttt gctttttctg tttcaagcgt gaattcacca agcagcacac tatttcttgg agaattaagc
2101  ctcatattaa atcaaggaga atgcagttct cctgacatac aaaactcagt agaggaggaa accaccatgc ttttggaaaa cgattcaccc agtgaaacta
2201  ttccagaaca gaccctgctt cctgatgaat ttgtctcctg tttggggatc atgaacgagg agttgccatc tattaattct tattttccac aaagtatttt
2301  ggaaagccac ttcaaaagga tttcactctt ggaaaagtaa aggcgcgcca gtatactcta gagtcgacac ccggggaatt cctcgagcgc tcgtctctag
2401  cttggcgtaa tcatggtcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg taaagcctgg
2501  ggtgcctaat gagtgagcta actcacatta attgcgttgc gctcactgcc cgctttccag tcgggaaacc tgtcgtgcca gctgcattaa tgaatcggcc
2601  aacgcgcggg gagaggcggt ttgcgtattg ggcgctcttc cgcttcctcg ctcactgact cgctgcgctc ggtcgttcgg ctgcggcgag cggtatcagc
2701  tcactcaaag gcggtaatac ggttatccac agaatcaggg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa ccgtaaaaag
2801  gccgcgttgc tggcgttttt ccataggctc cgccccctg acgagcatca caaaaatcga cgctcaagtc agaggtggcg aaacccgaca ggactataaa
2901  gataccaggc gtttccccct ggaagctccc tcgtgcgctc tcctgttccg accctgccgc ttaccggata cctgtccgcc tttctccctt cgggaagcgt
3001  ggcgctttct caatgctcac gctgtaggta tctcagttcg gtgtaggtcg ttcgctccaa gctgggctgt gtgcacgaac cccccgttca gcccgaccgc
3101  tgcgccttat ccggtaacta tcgtcttgag tccaacccgg taagacacga cttatcgcca ctggcagcag ccactggtaa caggattagc agagcgaggt
3201  atgtaggcgg tgctacagag ttcttgaagt ggtggcctaa ctacggctac actagaagga cagtatttgg tatctgcgct ctgctgaagc cagttacctt
3301  cggaaaaaga gttggtagct cttgatccgg caaacaaacc accgctggta gcggtggttt ttttgtttgc aagcagcaga ttacgcgcag aaaaaaagga
3401  tctcaagaag atcctttgat cttttctacg gggtctgacg ctcagtggaa cgaaaactca cgttaaggga ttttggtcat gagattatca aaaaggatct
3501  tcacctagat ccttttaaat taaaaatgaa gttttaaatc aatctaaagt atatatgagt aaacttggtc tgacagttac caatgcttaa tcagtgaggc
3601  acctatctca gcgatctgtc tatttcgttc atccatagtt gcctgactcc ccgtcgtgta gataactacg atacgggagg gcttaccatc tggccccagt
3701  gctgcaatga taccgcgaga cccacgctca ccggctccag atttatcagc aataaaccag ccagccggaa gggccgagcg cagaagtggt cctgcaactt
3801  tatccgcctc catccagtct attaattgtt gccgggaagc tagagtaagt agttcgccag ttaatagttt gcgcaacgtt gttgccattg ctacaggcat
3901  cgtggtgtca cgctcgtcgt ttggtatggc ttcattcagc tccggttccc aacgatcaag gcgagttaca tgatccccca tgttgtgcaa aaaagcggtt
4001  agctccttcg gtcctccgat cgttgtcaga agtaagttgg ccgcagtgtt atcactcatg gttatggcag cactgcataa ttctcttact gtcatgccat
4101  ccgtaagatg cttttctgtg actggtgagt actcaaccaa gtcattctga gaatagtgta tgcggcgacc gagttgctct tgcccggcgt caatacggga
4201  taataccgcg ccacatagca gaacttaaa agtgctcatc attggaaaac gttcttcggg gcgaaaactc tcaaggatct taccgctgtt gagatccagt
4301  tcgatgtaac ccactcgtgc acccaactga tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagg aaggcaaaat gccgcaaaaa
4401  agggaataag ggcgacacgg aaatgttgaa tactcatact cttccttttt caatattatt gaagcattta tcagggttat tgtctcatga gcggatacat
4501  atttgaatgt atttagaaaa ataaacaaat aggggttccg cgcacatttc cccgaaaagt gccacctgac gtctaagaaa ccattattat catgacatta
4601  acctataaaa ataggcgtat cacgaggccc tttcgtc
```

> RDC2517 Translated Insert Sequence

```
   1  mnqvtiqwda vialyilfsw chggitninc sghiwvepat ifkmgmnisi ycqaaikncq prqlhfykng ikerfeitri nkttarlwyk nflephasmy
 101  ctaecpnhfq etlicgkdis sgyppdvpde vtcviyeysg nmtctwnagk ltyvdtkyvv hvksleteee qqyltssyin istdslqggk kylvwvqaen
 201  algmeeskql qihlddivip sasiisraet inatvpktii ywdsqttiek vscemrykat tnqtwnvkef dtnftyvqqs efylepniky ifqvrcqetg
 301  krywqawssp ffhktpetvp qvtskssqhn twnsgltvas istghltsdn rediglllgm ivfavmlsil sligifnrsl rtgikrrill lipkwlyedi
 401  pnmknsnvvk mlqennelmn nnsseqvlyv dptiteikei fipehkptdy kkentgplet rdylqnslfd nttvvyipdl ntgykpqisn flpgrsrlsn
 501  ndeitsltlk ppvdsldsgn nprsqkhpnf afsvssvnsp sstlflgels lilnqgecss pdiqnsveee ttmllendsp setipeqtll pdefvsclgi
 601  mneelpsins yfpqsilesh fkrisllek
```