*h*IL-23R VersaClone cDNA

Catalog Number: RDC1255

Specifications:

Gene:	*h*IL23R
Accession:	AAM44229
Insert size:	1930bp
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

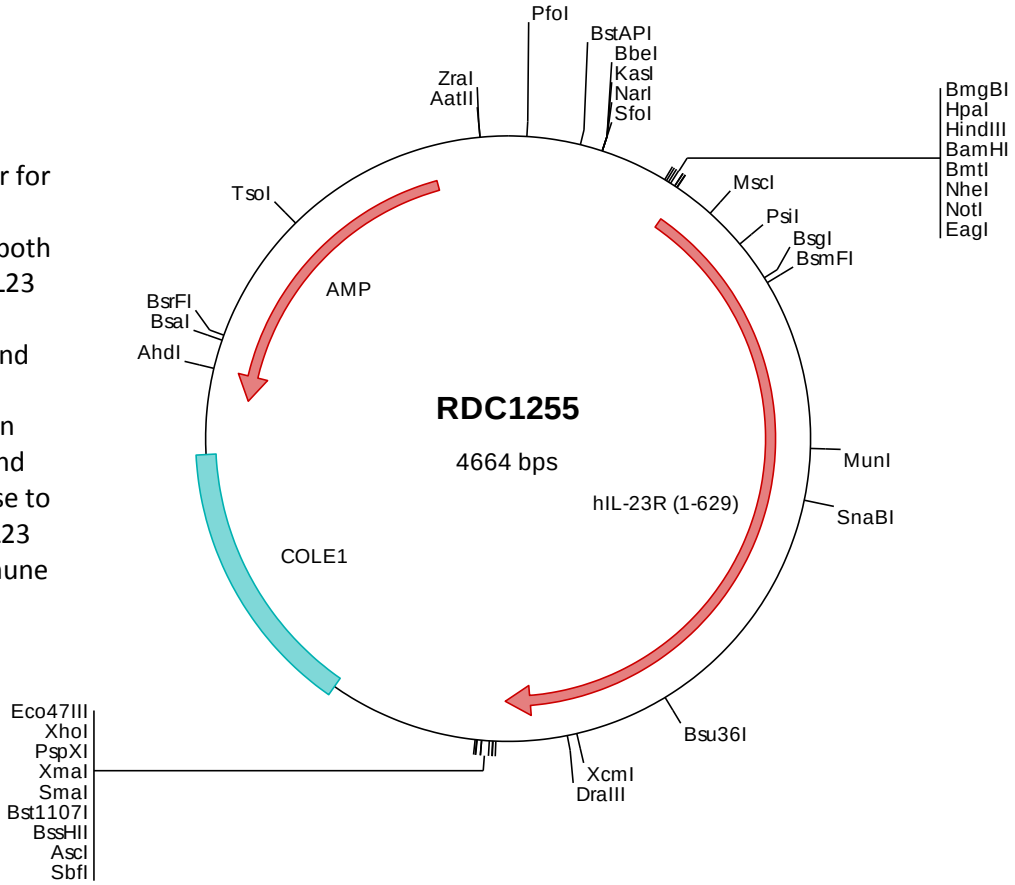
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*IL-23R cDNA Plasmid

IL23R interleukin 23 receptor
[*Homo sapiens* (human)]

Also known as: IL-23R

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

> RDC1255 Plasmid DNA Sequence

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 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 atgggatgca gtaatagccc tttacatact
 501  cttcagctgg tgtcatggag gaattacaaa tataaactgc tctggccaca tctgggtaga accagccaca atttttaaga tgggtatgaa tatctctata
 601  tattgccaag cagcaattaa gaactgccaa ccaaggaaac ttcattttta taaaaatggc atcaaagaaa gatttcaaat cacaaggatt aataaaacaa
 701  cagctcggct ttggtataaa aactttctgg aaccacatgc ttctatgtac tgcactgctg aatgtcccaa acattttcaa gagacactga tatgtggaaa
 801  agacatttct tctggatatc cgccagatat tcctgatgaa gtaacctgtg tcatttatga atattcaggc aacatgactt gcacctggaa tgctgggaag
 901  ctcacctaca tagacacaaa atacgtggta catgtgaaga gtttagagac agaagaagag caacagtatc tcacctcaag ctatattaac atctccactg
1001  attcattaca aggtggcaag aagtacttgg tttgggtcca agcagcaaac gcactaggca tggaagagtc aaaacaactg caaattcacc tggatgatat
1101  agtgatacct tctgcagccg tcatttccag ggctgagact ataaatgcta cagtgcccaa gaccataatt tattgggata gtcaaacaac aattgaaaag
1201  gtttcctgtg aaatgagata caaggctaca acaaaccaaa cttggaatgt taaagaattt gacaccaatt ttacatatgt gcaacagtca gaattctact
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1401  aacagttccc caggtcacat caaaagcatt ccaacatgac acatggaatt ctgggctaac agttgcttcc atctctacag ggcaccttac ttctgacaac
1501  agaggagaca ttggactttt attgggaatg atcgtctttg ctgttatgtt gtcaattctt tctttgattg ggatatttaa cagatcattc cgaactggga
1601  ttaaaagaag gatcttattg ttaataccaa agtggcttta tgaagatatt cctaatatga aaaacagcaa tgttgtgaaa atgctacagg aaaatagtga
1701  acttatgaat aataattcca gtgagcaggt cctatatgtt gatcccatga ttacagagat aaaagaaatc ttcatcccag aacacaagcc tacagactac
1801  aagaaggaga atacaggacc cctggagaca agagactacc cgcaaaactc gctattcgac aatactacag ttgtatatat tcctgatctc aacactggat
1901  ataaacccca aatttcaaat tttctgcctg agggaagcca tctcagcaat aataatgaaa ttacttcctt aacacttaaa ccaccagttg attccttaga
2001  ctcaggaaat aatcccaggt tacaaaagca tcctaatttt gctttttctg tttcaagtgt gaattcacta agcaacacaa tatttcttgg agaattaagc
2101  ctcatattaa atcaaggaga atgcagttct cctgacatac aaaactcagt agaggaggaa accaccatgc ttttggaaaa tgattcaccc agtgaaacta
2201  ttccagaaca gaccctgctt cctgatgaat ttgtctcctg tttggggatc gtgaatgagg agttgccatc tattaatact tattttccac aaaatatttt
2301  ggaaagccac ttcaatagga tttcactctt ggaaaagtag agtattggat tctagagtcg acctgcaggg cgcgccagta tactctagag tcgacacccg
2401  gggaattcct cgagcgctcg tctctagctt ggcgtaatca tggtcatagc tgtttcctgt gtgaaattgt tatccgctca caattccaca caacatacga
2501  gccggaagca taaagtgtaa agcctggggt gcctaatgag tgagctaact cacattaatt gcgttgcgct cactgcccgc tttccagtcg ggaaacctgt
2601  cgtgccagct gcattaatga atcggccaac gcgcggggag aggcggtttg cgtattgggc gctcttccgc ttcctcgctc actgactcgc tgcgctcggt
2701  cgttcggctg cggcgagcgg tatcagctca ctcaaaggcg gtaatacggt tatccacaga atcaggggat aacgcaggaa agaacatgtg agcaaaaggc
2801  cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg cgtttttcca taggctccgc cccctgacg agcatcacaa aaatcgacgc tcaagtcaga
2901  ggtggcgaaa cccgacagga ctataaagat accaggcgtt tccccctgga agctccctcg tgcgctctcc tgttccgacc ctgccgctta ccggatacct
3001  gtccgccttt ctcccttcgg gaagcgtggc gctttctcaa tgctcacgct gtaggtatct cagttcggtg taggtcgttc gctccaagct gggctgtgtg
3101  cacgaacccc ccgttcagcc cgaccgctgc gccttatccg gtaactatcg tcttgagtcc aacccggtaa gacacgactt atcgccactg gcagcagcca
3201  ctggtaacag gattagcaga gcgaggtatg taggcggtgc tacagagttc ttgaagtggt ggcctaacta cggctacact agaaggacag tatttggtat
3301  ctgcgctctg ctgaagccag ttaccttcgg aaaaagagtt ggtagctctt gatccggcaa acaaaccacc gctggtagcg gtggtttttt tgtttgcaag
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3501  tggtcatgag attatcaaaa aggatcttca cctagatcct tttaaattaa aaatgaagtt ttaaatcaat ctaaagtata tatgagtaaa cttggtctga
3601  cagttaccaa tgcttaatca gtgaggcacc tatctcagcg atctgtctat ttcgttcatc catagttgcc tgactccccg tcgtgtagat aactacgata
3701  cgggagggct taccatctgg ccccagtgct gcaatgatac cgcgagaccc acgctcaccg gctccagatt tatcagcaat aaaccagcca gccggaaggg
3801  ccgagcgcag aagtggtcct gcaactttat ccgcctccat ccagtctatt aattgttgcc gggaagctag agtaagtagt tcgccagtta atagtttgcg
3901  caacgttgtt gccattgcta caggcatcgt ggtgtcacgc tcgtcgtttg gtatggcttc attcagctcc ggttcccaac gatcaaggcg agttacatga
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4101  tgcataattc tcttactgtc atgccatccg taagatgctt ttctgtgact ggtgagtact caaccaagtc attctgagaa tagtgtatgc ggcgaccgag
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> RDC1255 Translated Insert Sequence

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 101  ctaecpkhfq etlicgkdis sgyppdipde vtcviyeysg nmtctwnagk ltyidtkyvv hvksleteee qqyltssyin istdslqggk kylvwvqaan
 201  algmeeskql qihlddivip saavisraet inatvpktii ywdsqttiek vscemrykat tnqtwnvkef dtnftyvqqs efylepniky vfqvrcqetg
 301  krywqpwssp ffhktpetvp qvtskafqhd twnsgltvas istghltsdn rgdiglllgm ivfavmlsil sligifnrsf rtgikrrill lipkwlyedi
 401  pnmknsnvvk mlqenselmn nnsseqvlyv dpmiteikei fipehkptdy kkentgplet rdypqnslfd nttvvyipdl ntgykpqisn flpegshlsn
 501  nneitsltlk ppvdsldsgn nprlqkhpnf afsvssvnsl sntiflgels lilnqgecss pdiqnsveee ttmllendsp setipeqtll pdefvsclgi
 601  vneelpsint yfpqnilesh fnrisllek
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