*h*IL-23 p19 VersaClone cDNA

Catalog Number: RDC2209

Specifications:

Gene:	*h*IL23A
Accession:	NP_057668
Insert size:	583bp
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

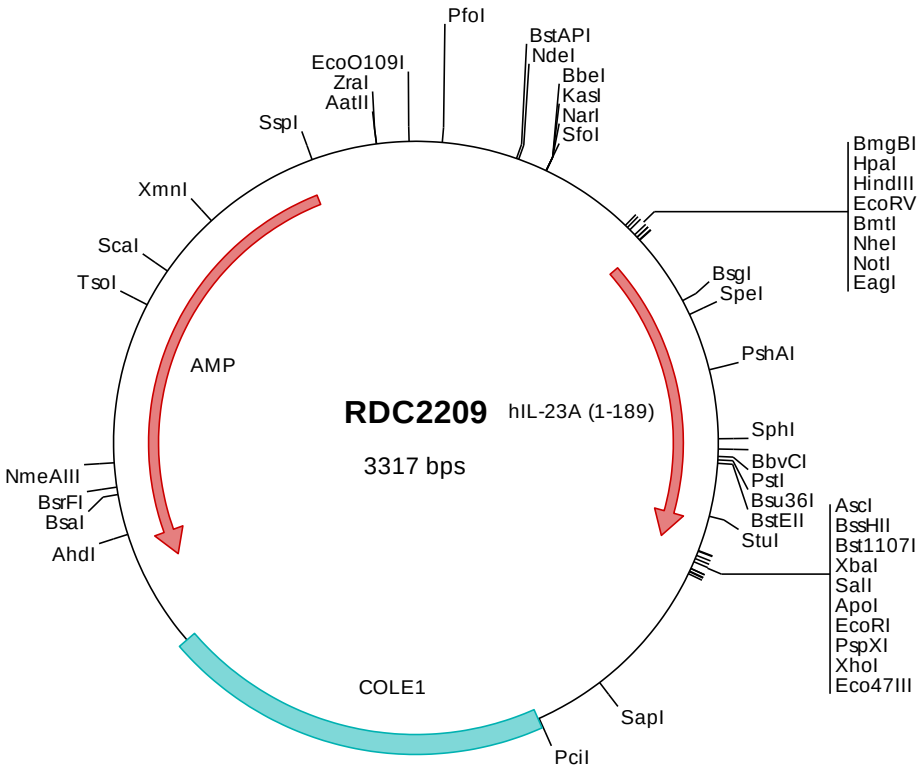
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*IL-23 p19 cDNA Plasmid

IL23A interleukin 23 subunit alpha [*Homo sapiens* (human)]

Also known as: P19; SGRF; IL-23; IL-23A; IL23P19

Summary:
IL23A is a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is composed of IL23A and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2209 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 atgctgggga gcagagctgt aatgctgctg ttgctgctgc cctggacagc
 501  tcagggcaga gctgtgcctg ggggcagcag ccctgcctgg actcagtgcc agcagctttc acagaagctc tgcacactgg cctggagtgc acatccacta
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 701  acaacagtca gttctgcttg caaaggatcc accagggtct gatttttttat gagaagctgc taggatcaga tattttcaca ggggagcctt ctctgctccc
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1101  agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg taaagcctgg ggtgcctaat gagtgagcta
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2001  cttgatccgg caaacaaacc accgctggta gcggtggttt ttttgtttgc aagcagcaga ttacgcgcag aaaaaaagga tctcaagaag atcctttgat
2101  cttttctacg gggtctgacg ctcagtggaa cgaaaactca cgttaaggga ttttggtcat gagattatca aaaaggatct tcacctagat ccttttaaat
2201  taaaaatgaa gttttaaatc aatctaaagt atatatgagt aaacttggtc tgacagttac caatgcttaa tcagtgaggc acctatctca gcgatctgtc
2301  tatttcgttc atccatagtt gcctgactcc ccgtcgtgta gataactacg atacgggagg gcttaccatc tggccccagt gctgcaatga taccgcgaga
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2601  ttggtatggc ttcattcagc tccggttccc aacgatcaag gcgagttaca tgatccccca tgttgtgcaa aaaagcggtt agctccttcg gtcctccgat
2701  cgttgtcaga agtaagttgg ccgcagtgtt atcactcatg gttatggcag cactgcataa ttctcttact gtcatgccat ccgtaagatg cttttctgtg
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2901  gaactttaaa agtgctcatc attggaaaac gttcttcggg gcgaaaactc tcaaggatct taccgctgtt gagatccagt tcgatgtaac ccactcgtgc
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3101  aaatgttgaa tactcatact cttccttttt caatattatt gaagcattta tcagggttat tgtctcatga gcggatacat atttgaatgt atttagaaaa
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> RDC2209 Translated Insert Sequence

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