*h*IL-12/IL-23 p40 VersaClone cDNA

Catalog Number: RDC2018

Specifications:

Gene:	*h*IL12B
Accession:	NP_002178
Insert size:	1000bp
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

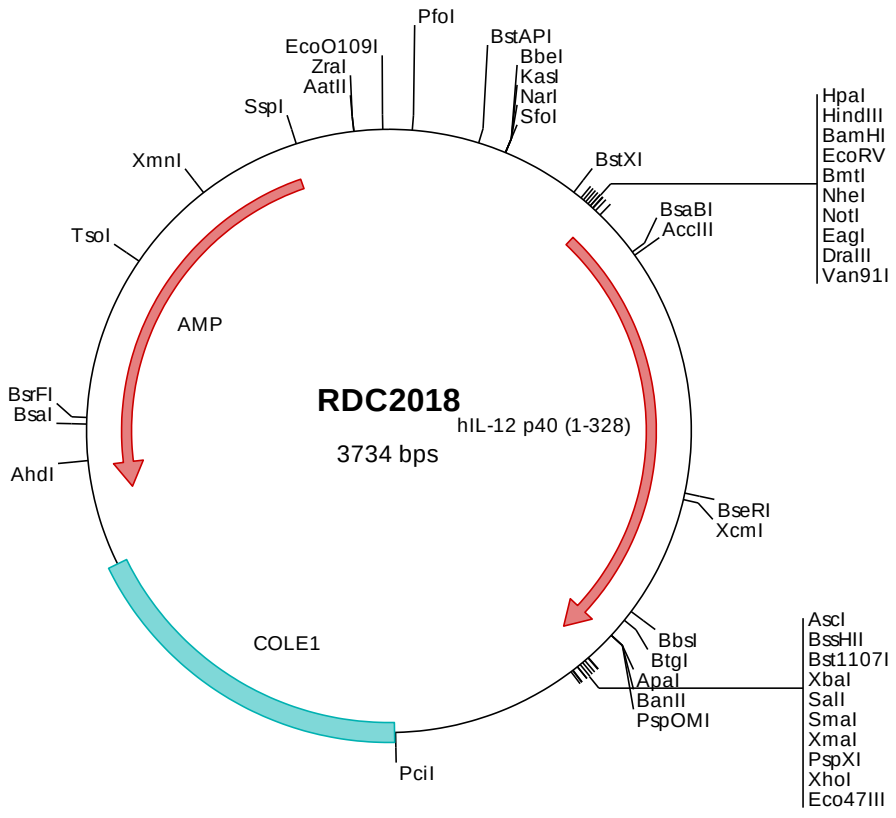
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*IL-12/IL-23 p40 cDNA Plasmid

IL12B interleukin 12B [*Homo sapiens* (human)]

Also known as: CLMF; NKSF; CLMF2; IMD28; IMD29; NKSF2; IL-12B

Summary:
IL-12 p40 is a subunit of interleukin 12, a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. It is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. Overexpression of IL-12 p40 was observed in the central nervous system of patients with multiple sclerosis (MS), suggesting a role of this cytokine in the pathogenesis of the disease.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2018 Plasmid DNA Sequence

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   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 atgtgtcacc agcagttggt catctcttgg ttttccctgg ttttttctggc
 501  atctcccctc gtggccatat gggaactgaa gaaagatgtt tatgtcgtag aattggattg gtatccggat gcccctggag aaatggtggt cctcacctgt
 601  gacacccctg aagaagatgg tatcacctgg accttggacc agagcagtga ggtcttaggc tctggcaaaa ccctgaccat ccaagtcaaa gagtttggag
 701  atgctggcca gtacacctgt cacaaaggag gcgaggttct aagccattcg ctcctgctgc ttcacaaaaa ggaagatgga atttggtcca ctgatatttt
 801  aaaggaccag aaagaaccca aaaataagac ctttctaaga tgcgaggcca agaattattc tggacgtttc acctgctggt ggctgacgac aatcagtact
 901  gatttgacat tcagtgtcaa aagcagcaga ggctcttctg acccccaagg ggtgacgtgc ggagctgcta cactctctgc agagagagtc agaggggaca
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1201  caggtggagg tcagctggga gtaccctgac acctggagta ctccacattc ctacttctcc ctgacattct gcgttcaggt ccagggcaag agcaagagag
1301  aaaagaaaga tagagtcttc acggacaaga cctcagccac ggtcatctgc cgcaaaaatg ccagcattag cgtgcgggcc caggaccgct actatagctc
1401  atcttggagc gaatgggcat ctgtgccctg cagttaaagg cgcgccagta tactctagag tcgacacccg gggaattcct cgagcgctcg tctctagctt
1501  ggcgtaatca tggtcatagc tgtttcctgt gtgaaattgt tatccgctca caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt
1601  gcctaatgag tgagctaact cacattaatt gcgttgcgct cactgcccgc tttccagtcg ggaaacctgt cgtgccagct gcattaatga atcggccaac
1701  gcgcggggag aggcggtttg cgtattgggc gctcttccgc ttcctcgctc actgactcgc tgcgctcggt cgttcggctg cggcgagcgg tatcagctca
1801  ctcaaaggcg gtaatacggt tatccacaga atcaggggat aacgcaggaa agaacatgtg agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc
1901  gcgttgctgg cgtttttcca taggctccgc cccctgacg agcatcacaa aaatcgacgc tcaagtcaga ggtggcgaaa cccgacagga ctataaagat
2001  accaggcgtt tccccctgga agctccctcg tgcgctctcc tgttccgacc ctgccgctta ccggatacct gtccgccttt ctcccttcgg gaagcgtggc
2101  gctttctcaa tgctcacgct gtaggtatct cagttcggtg taggtcgttc gctccaagct gggctgtgtg cacgaacccc ccgttcagcc cgaccgctgc
2201  gccttatccg gtaactatcg tcttgagtcc aacccggtaa gacacgactt atcgccactg gcagcagcca ctggtaacag gattagcaga gcgaggtatg
2301  taggcggtgc tacagagttc ttgaagtggt ggcctaacta cggctacact agaaggacag tatttggtat ctgcgctctg ctgaagccag ttaccttcgg
2401  aaaaagagtt ggtagctctt gatccggcaa acaaaccacc gctggtagcg gtggtttttt tgtttgcaag cagcagatta cgcgcagaaa aaaaggatct
2501  caagaagatc ctttgatctt ttctacgggg tctgacgctc agtggaacga aaactcacgt taagggattt tggtcatgag attatcaaaa aggatcttca
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2701  tatctcagcg atctgtctat ttcgttcatc catagttgcc tgactccccg tcgtgtagat aactacgata cgggagggct taccatctgg ccccagtgct
2801  gcaatgatac cgcgagaccc acgctcaccg gctccagatt tatcagcaat aaaccagcca gccggaaggg ccgagcgcag aagtggtcct gcaactttat
2901  ccgcctccat ccagtctatt aattgttgcc gggaagctag agtaagtagt tcgccagtta atagtttgcg caacgttgtt gccattgcta caggcatcgt
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3101  tccttcggtc ctccgatcgt tgtcagaagt aagttggccg cagtgttatc actcatggtt atggcagcac tgcataattc tcttactgtc atgccatccg
3201  taagatgctt ttctgtgact ggtgagtact caaccaagtc attctgagaa tagtgtatgc ggcgaccgag ttgctcttgc ccggcgtcaa tacgggataa
3301  taccgcgcca catagcagaa ctttaaaagt gctcatcatt ggaaaacgtt cttcggggcg aaaactctca aggatcttac cgctgttgag atccagttcg
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3601  tgaatgtatt tagaaaaata aacaaatagg ggttccgcgc acatttcccc gaaaagtgcc acctgacgtc taagaaacca ttattatcat gacattaacc
3701  tataaaaata ggcgtatcac gaggcccttt cgtc
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> RDC2018 Translated Insert Sequence

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 101  llllhkkedg iwstdilkdq kepknktflr ceaknysgrf tcwwlttist dltfsvkssr gssdpqgvtc gaatlsaerv rgdnkeyeys vecqedsacp
 201  aaeeslpiev mvdavhklky enytssffir diikpdppkn lqlkplknsr qvevsweypd twstphsyfs ltfcvqvqgk skrekkdrvf tdktsatvic
 301  rknasisvra qdryysssws ewasvpcs
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