*h*IFN-alpha 1B/IFNA1B VersaClone cDNA

Catalog Number: RDC3581

Specifications:

Gene:	*h*IFNA1
Accession:	CAA23799.1
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

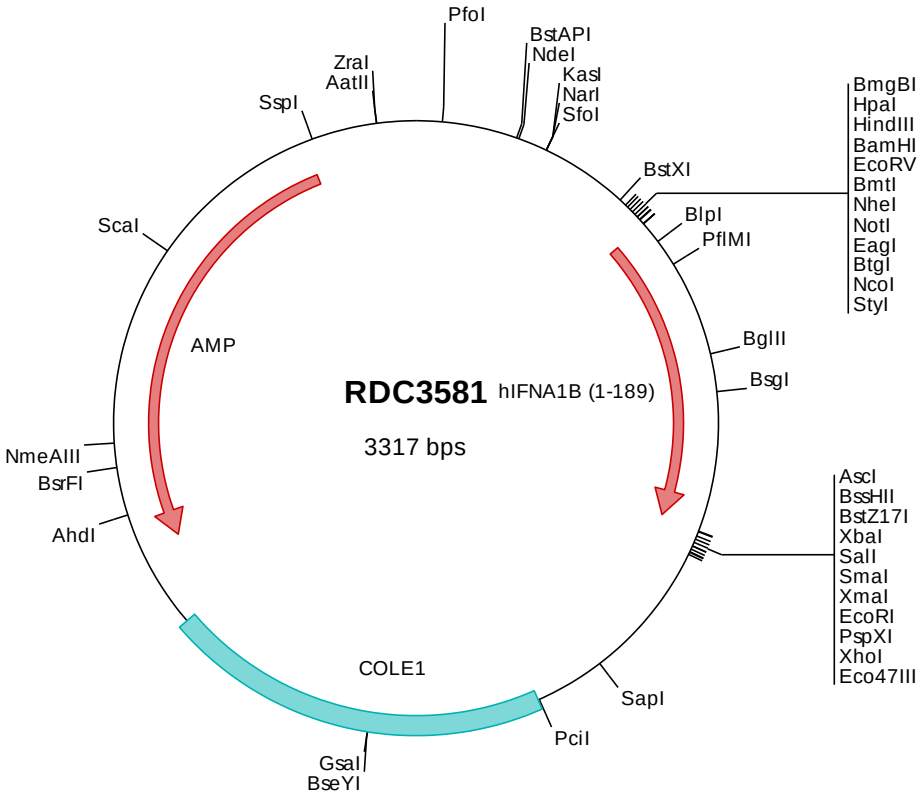
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*IFN-alpha 1B/IFNA1B cDNA Plasmid

IFNA1 interferon alpha 1 [*Homo sapiens* (human)]

Also known as: IFL; IFN; IFNA13; leIF D; IFN-ALPHA; IFN-alphaD

Summary:
IFNA1 is a member of the alpha interferon gene cluster on chromosome 9. IFNA1 is a member of the type I interferon family that is produced in response to viral infection as a key part of the innate immune response with potent antiviral, antiproliferative and immunomodulatory properties. IFNA1, like other type I interferons, binds a plasma membrane receptor made of IFNAR1 and IFNAR2 that is ubiquitously expressed, and thus is able to act on virtually all body cells. It is upregulated in preeclamptic placentas and is thought to be a mediator of preeclampsia.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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R&D SYSTEMS

> RDC3581 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 atggcctcgc cctttgcttt actgatggtc ctggtggtgc tcagctgcaa
 501  gtcaagctgc tctctgggct gtgatctccc tgagacccac agcctggata acaggaggac cttgatgctc ctggcacaaa tgagcagaat ctctccttcc
 601  tcctgtctga tggacagaca tgactttgga tttccccagg aggagtttga tggcaaccag ttccagaagg ctccagccat ctctgtcctc catgagctga
 701  tccagcagat cttcaacctc tttaccacaa aagattcatc tgctgcttgg gatgaggacc tcctagacaa attctgcacc gaactctacc agcagctgaa
 801  tgacttggaa gcctgtgtga tgcaggagga gagggtggga gaaactcccc tgatgaatgt ggactccatc ttggctgtga agaaatactt ccgaagaatc
 901  actctctatc tgacagagaa gaaatacagc ccttgtgcct gggaggttgt cagagcagaa atcatgagat ccctctcttt atcaacaaac ttgcaagaaa
1001  gattaaggag gaaggaataa aggcgcgcca gtatactcta gagtcgacac ccggggaatt cctcgagcgc tcgtctctag cttggcgtaa tcatggtcat
1101  agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg taaagcctgg ggtgcctaat gagtgagcta
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1701  gctgtaggta tctcagttcg gtgtaggtcg ttcgctccaa gctgggctgt gtgcacgaac ccccgttca gcccgaccgc tgcgccttat ccggtaacta
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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
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2301  tatttcgttc atccatagtt gcctgactcc ccgtcgtgta gataactacg atacgggagg gcttaccatc tggccccagt gctgcaatga taccgcgaga
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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
3001  acccaactga tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagg aaggcaaaat gccgcaaaaa agggaataag ggcgacacgg
3101  aaatgttgaa tactcatact cttccttttt caatattatt gaagcattta tcagggttat tgtctcatga gcggatacat atttgaatgt atttagaaaa
3201  ataaacaaat aggggttccg cgcacatttc cccgaaaagt gccacctgac gtctaagaaa ccattattat catgacatta acctataaaa ataggcgtat
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> RDC3581 Translated Insert Sequence

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