*m*IFN-α4 VersaClone cDNA

Catalog Number: RDC2322

Specifications:

Gene:	*m*Ifna4
Accession:	NP_034634
Insert size:	574bp
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

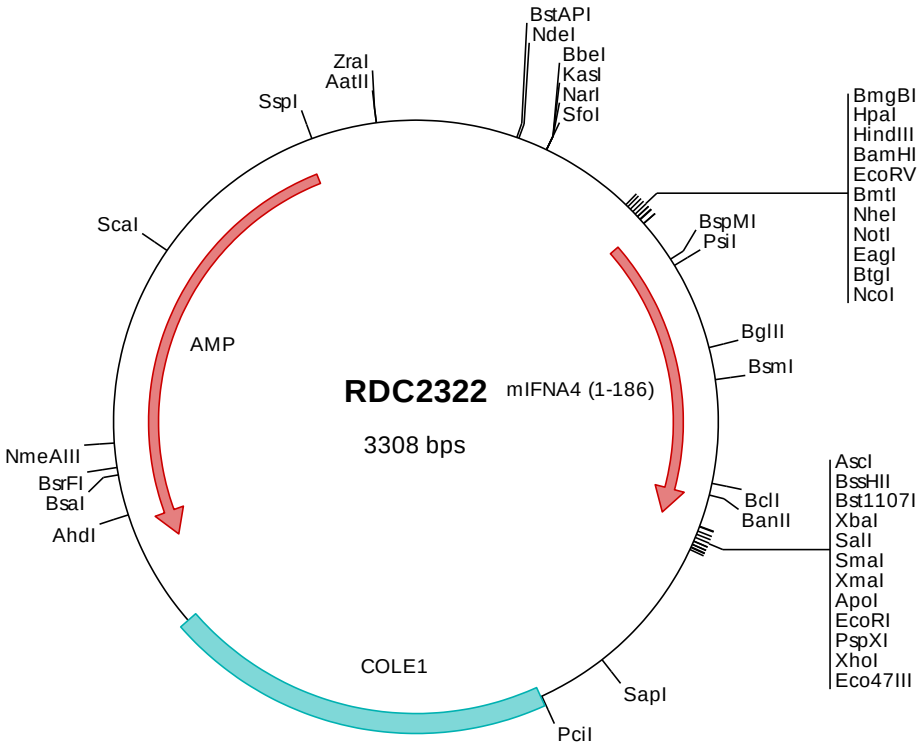
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*IFN-α4 cDNA Plasmid

Ifna4 interferon alpha 4 [*Mus musculus* (house mouse)]

Also known as: Ifa4

Summary:
IFNA4 is a member of the type I interferon family which share a common cell surface receptor composed of two subunits, a ligand-binding subunit (IFN-alpha R2) and a ligand binding and signal transduction subunit (IFN-alpha R1) that is involved both in ligand binding and signal transduction. IFNA4 has both anti-viral and immunomodulatory activities on target cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2322 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 atggctaggc tctgtgcttt cctcatgatc ctggtaatga tgagctacta
 501  ctggtcagcc tgttctctag gatgtgacct gcctcacact tataacctcg ggaacaagag ggccttgaca gtcctggaag aaatgagaag actccccct
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 701  ttacccagca gattttgaac ctcttcacat caaaagactt gtctgctact tggaatgcaa ctctactaga ctcattctgc aatgacctcc atcagcagct
 801  caatgacctc aaagcctgtg tgatgcagga acctcctctg acccaggaag actccctgct ggctgtgagg acatacttcc acaggatcac tgtgtacctg
 901  agaaagaaga aacacagcct ctgtgcctgg gaggtgatca gagcagaagt ctggagagcc ctctcttcct caaccaactt gctggcaaga ctgagtgagg
1001  agaaggagta aaggcgcgcc agtatactct agagtcgaca cccggggaat tcctcgagcg ctcgtctcta gcttggcgta atcatggtca tagctgtttc
1101  ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt gtaaagcctg gggtgcctaa tgagtgagct aactcacatt
1201  aattgcgttg cgctcactgc ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg ggagaggcgg tttgcgtatt
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1801  gtccaacccg gtaagacacg acttatcgcc actggcagca gccactggta acaggattag cagagcgagg tatgtaggcg gtgctacaga gttcttgaag
1901  tggtggccta actacggcta cactagaagg acagtatttg gtatctgcgc tctgctgaag ccagttacct tcggaaaaag agttggtagc tcttgatccg
2001  gcaaacaaac caccgctggt agcggtggtt tttttgtttg caagcagcag attacgcgca gaaaaaaagg atctcaagaa gatcctttga tcttttctac
2101  ggggtctgac gctcagtgga acgaaaactc acgttaaggg attttggtca tgagattatc aaaaaggatc ttcacctaga tccttttaaa ttaaaaatga
2201  agttttaaat caatctaaag tatatatgag taaacttggt ctgacagtta ccaatgctta atcagtgagg cacctatctc agcgatctgt ctatttcgtt
2301  catccatagt tgcctgactc cccgtcgtgt agataactac gatacgggag ggcttaccat ctggccccag tgctgcaatg ataccgcgag acccacgctc
2401  accggctcca gatttatcag caataaacca gccagccgga agggccgagc gcagaagtgg tcctgcaact ttatccgcct ccatccagtc tattaattgt
2501  tgccgggaag ctagagtaag tagttcgcca gttaatagtt tgcgcaacgt tgttgccatt gctacaggca tcgtggtgtc acgctcgtcg tttggtatgg
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2701  aagtaagttg gccgcagtgt tatcactcat ggttatggca gcactgcata attctcttac tgtcatgcca tccgtaagat gcttttctgt gactggtgag
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2901  aagtgctcat cattggaaaa cgttcttcgg ggcgaaaact ctcaaggatc ttaccgctgt tgagatccag ttcgatgtaa cccactcgtg cacccaactg
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3101  atactcatac tcttcctttt tcaatattat tgaagcattt atcagggtta ttgtctcatg agcggataca tatttgaatg tatttagaaa aataaacaaa
3201  taggggttcc gcgcacattt ccccgaaaag tgccacctga cgtctaagaa accattatta tcatgacatt aacctataaa aataggcgta tcacgaggcc
3301  ctttcgtc
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> RDC2322 Translated Insert Sequence

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101  wnatlldsfc ndlhqqlndl kacvmqeppl tqedsllavr tyfhritvyl rkkkhslcaw eviraevwra lssstnllar lseeke
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