*h*MICA VersaClone cDNA

Catalog Number: RDC1826

Specifications:

Gene:	*h*MICA
Accession:	NP_000238
Insert size:	1165bp
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

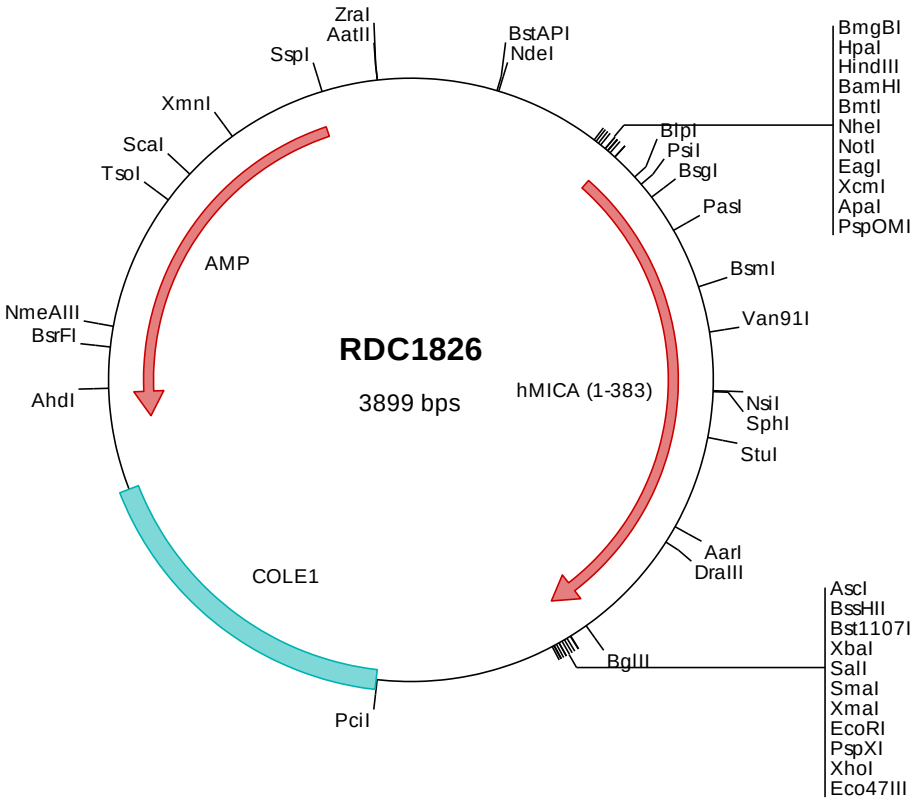
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*MICA cDNA Plasmid

MICA MHC class I polypeptide-related sequence A [*Homo sapiens* (human)]

Also known as: MIC-A; PERB11.1

Summary:
MICA is the major histocompatability complex class I chain-related protein A. It is expressed on the cell surface. It is a ligand for the NKG2-D type II integral membrane protein receptor. MICA functions as a stress-induced antigen that is broadly recognized by intestinal epithelial gamma delta T cells. Variations in MICA have been associated with susceptibility to psoriasis 1 and psoriatic arthritis. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1826 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 atggggctgg gcccggtctt cctgcttctg gctggcatct tccctttgc
 501  acctccggga gctgctgctg agccccacag tcttcgttat aacctcacgg tgctgtcctg ggatggatct gtgcagtcag ggtttctcac tgaggtacat
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 701  gagagaccag ggacttgaca gggaacggaa aggacctcag gatgaccctg gctcatatca aggaccagaa agaaggcttg cattccctcc aggagattag
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1701  attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagtgagc taactcacat taattgcgtt
1801  gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat tgggcgctct
1901  tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc ggctgcggcg agcggtatca gctcactcaa aggcggtaat acggttatcc acagaatcag
2001  gggataacgc aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa aggccgcgtt gctggcgttt ttccataggc tccgcccccc
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2301  cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga acccccgttc agcccgacc gctgcgcctt atccggtaac tatcgtcttg agtccaaccc
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3601  atcttttact ttcaccagcg tttctgggtg agcaaaaaca ggaaggcaaa atgccgcaaa aaagggaata agggcgacac ggaaatgttg aatactcata
3701  ctcttccttt ttcaatatta ttgaagcatt tatcagggtt attgtctcat gagcggatac atatttgaat gtatttagaa aaataaacaa atagggggttc
3801  cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa aaataggcgt atcacgaggc cctttcgtc
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> RDC1826 Translated Insert Sequence

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 201  lrrtvppmvn vtrseasegn itvtcrasgf ypwnitlswr qdgvslshdt qqwgdvlpdg ngtyqtwvat ricqgeeqrf tcymehsgnh sthpvpsgkv
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