

IL9 cDNA

Catalog Number: ATGD0006

PRODUCT INFORMATION

Catalog number

ATGD0006

Product type

cDNA

Species

Human

NCBI Accession No.

NP_000581.1

Alternative Names

IL-9, Interleukin 9, Cytokine P40, T-cell growth factor P40, p40 T-cell and mast cell growth factor, Homolog of mouse T cell and mast cell growth factor 40, HP40, P40

mRNA Refseq

NM_000590.1

OMIM

146931

Chromosome location

5q31.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

435bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

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General Description

Interleukin 9, also known as IL-9, is a cytokine (cell signalling molecule) belonging to the group of interleukins. This protein produced by T-cells and specifically by CD4+ helper cells that acts as a regulator of a variety of hematopoietic cells and stimulates cell proliferation and prevents apoptosis. It functions through the interleukin-9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes

DATA

Sequence nucleotides

```
ATGCTTCTGG CCATGGTCCT TACCTCTGCC CTGCTCCTGT GCTCCGTGGC AGGCCAGGGG TGTCCAACCT
TGGCGGGGAT CCTGGACATC AACTTCCTCA TCAACAAGAT GCAGGAAGAT CCAGCTTCCA AGTGCCACTG
CAGTGCTAAT GTGACCAGTT GTCTCTGTTT GGGCATTCCC TCTGACAACT GCACCAGACC ATGCTTCAGT
GAGAGACTGT CTCAGATGAC CAATACCACC ATGCAAACAA GATACCCACT GATTTTCAGT CGGGTGAAAA
AATCAGTTGA AGTACTAAAG AACAAACAAGT GTCCATATTT TTCCTGTGAA CAGCCATGCA ACCAAACCAC
GGCAGGCAAC GCGCTGACAT TTCTGAAGAG TCTTCTGGAA ATTTTCCAGA AAGAAAAGAT GAGAGGGATG
AGAGGCAAGA TATGA
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Transaction Sequence

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MLLAMVLTSA LLLCSVAGQG CPTLAGILDI NFLINKMQED PASKCHCSAN VTSLCLGIP SDNCTRPCFS ERLSQMTNTT
MQTRYPLIFS RVKKSVEVLK NNKCPYFSCE QPCNQTTAGN ALTFLKSLLE IFQKEKMRGM RGKI
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