# **PRODUCT INFORMATION**

Catalog number ATGD0006

Product type cDNA

Species Human

numan

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

Centrifuge at 7000rpm for 1 minute.
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)



### **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 AACAACAAGT GTCCATATTT TTCCTGTGAA CAGCCATGCA ACCAAACCAC GGCAGGCAAC GCGCTGACAT TTCTGAAGAG TCTTCTGGAA ATTTTCCAGA AAGAAAAGAT GAGAGGGATG AGAGGCAAGA TATGA

#### **Transaction Sequence**

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

