

## **POLR2I cDNA**

Catalog Number: ATGD0299

### **PRODUCT INFORMATION**

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**Catalog number**

ATGD0299

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_006224.1

**Alternative Names**

hRPB14.5, RPB9

**mRNA Refseq**

NM\_006233.4

**OMIM**

180662

**Chromosome location**

19q12

### **PRODUCT SPECIFICATION**

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

378bp

**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 BamH 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**

## POLR2I cDNA

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POLR2I encodes a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit, in combination with two other polymerase subunits, forms the DNA binding domain of the polymerase, a groove in which the DNA template is transcribed into RNA. The product of this gene has two zinc finger motifs with conserved cysteines and the subunit does possess zinc binding activity. [

### DATA

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#### Sequence nucleotides

```
ATGGAGCCCGACGGGACTTACGAGCCGGGCTTCGTGGGTATTCGCTTCTGCCAGGAATGTAACAACATGCTGTACCCCAAG
GAAGACAAGGAGAACCGCATTCTGCTCTACGCGTGCCGGAAGTGTGATTACCAGCAGGAGGCCGACAACAGCTGCATCTAT
GTCAACAAGATCACGCACGAAGTGGACGAAGTACCCAGATTATCGCCGACGTGTCCCAGGACCCACGTTGCCGCGGAC
CGAGGACCACCCGTGCCAAAAGTGC GGCCACAAGGAGGCTGTGTTCTTCCAGTCACACAGTGCGCGGGCCGAGGACGCCA
TGCGCCTTTACTACGTGTGCACAGCCCCACACTGCGGCCACCGCTGGACCGAGTGA
```

#### Transaction Sequence

```
MEPDGTYEPG FVGIRFCQEC NNMLYPKEDK ENRILLYACR NCDYQQEADN SCIVVNKITH EVELTQIIA DVSQDPTLPR
TEDHPCQKCG HKEAVFFQSH SARAEDAMRL YYVCTAPHCG HRWTE
```