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## **POLR2J cDNA**

Catalog Number: ATGD0300

#### **PRODUCT INFORMATION**

#### Catalog number

ATGD0300

#### **Product type**

cDNA

#### **Species**

Human

#### **NCBI Accession No.**

NP 006225.1

#### **Alternative Names**

hRPB14, POLR2J1, RPB11, RPB11A, RPB11m

#### mRNA Refseq

NM\_006234.4

#### **OMIM**

604150

#### **Chromosome location**

7q22.1

#### PRODUCT SPECIFICATION

#### **Formulation**

Lyophilized

#### **Storage**

Store the plasmid at -20C.

#### cDNA Size

354bp

#### 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**



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POLR2J encodes a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene exists as a heterodimer with another polymerase subunit; together they form a core subassembly unit of the polymerase. Two similar genes are located nearby on chromosome 7q22. 1 and a pseudogene is found on chromosome 7p13.

### **DATA**

#### Sequence nucleotides

#### **Transaction Sequence**

MNAPPAFESF LLFEGEKKIT INKDTKVPNA CLFTINKEDH TLGNIIKSQL LKDPQVLFAG YKVPHPLEHK IIIRVQTTPD YSPQEAFTNA ITDLISELSL LEERFRVAIK DKQEGIE

