

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

```
ATGAACGCCCTCCAGCCTTCGAGTCGTTCTTGCTCTTCGAGGGCGAGAAGAAGATCACCATTAACAAGGACACCAAGGTA  
CCCAATGCCTGTTTATTACCATCAACAAAGAAGACCACACACTGGGAAACATCATTAAATCACAACCTCTAAAAGACCCGC  
AAGTGCTATTTGCTGGCTACAAAGTCCCCCACCCTTGGAGCACAAGATCATCATCCGAGTGCAGACCACGCCGGACTACA  
GCCCCAGGAAGCCTTTACCAACGCCATCACCGACCTCATCAGTGAGCTGTCCCTGCTGGAGGAGCGCTTTCGGGTGGCCA  
TAAAGACAAGCAGGAAGGAATTGAGTAG
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Transaction Sequence

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MNAPPAFESF LLFEGEKKIT INKDTKVPNA CLFTINKEDH TLGNIKSQL LKDPQVLFAG YKVPHPLEHK IIRVQTTPD  
YSPQEAFTNA ITDLISELSL LEERFRVAIK DKQEGIE
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