

## **POLR2D cDNA**

Catalog Number: ATGD0477

### **PRODUCT INFORMATION**

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**Catalog number**

ATGD0477

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_004796.1

**Alternative Names**

HSRBP4, HSRPB4, RBP4, RPB16

**mRNA Refseq**

NM\_004805.3

**OMIM**

606017

**Chromosome location**

2q21

### **PRODUCT SPECIFICATION**

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

429bp

**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**

## POLR2D cDNA

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POLR2D encodes the fourth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. In yeast, this polymerase subunit is associated with the polymerase under suboptimal growth conditions and may have a stress protective role. A sequence for a ribosomal pseudogene is contained within the 3' untranslated region of the transcript from POLR2D.

### DATA

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#### Sequence nucleotides

```
ATGGCGGCGGGTGGCAGCGATCCGCGGGCTGGCGACGTAGAGGAGGACGCCTCACAGCTCATCTTTCCTAAAGAGTTTGA
AACAGCTGAGACACTTCTAAATTCAGAAGTTCATATGCTTCTGGAACATCGAAAGCAGCAGAATGAGAGTGCAGAGGACGA
ACAGGAGCTCTCAGAAGTCTTCATGAAAACATTAACACTACACAGCCCGTTTCAGTCGTTTCAAAAACAGAGAGACCATTGCC
AGTGTTTCGTAGCTTGCTACTCCAGAAAAAGCTTCATAAGTTTGGAGTTGGCCTGTTTGGCCAACCTTTGCCAGAGACTGCTG
AGGAGTCCAAGGCTCTAATCCAAGCTTGGAGGGACGGTTTGAAGATGAGGAGCTGCAGCAGATTCTTGATGATATCCAGA
CAAAGCGCAGCTTTCAGTATTAA
```

#### Transaction Sequence

```
MAAGGSDPRA GDVEEDASQL IFPKFETAE TLLNSEVHML LEHRKQONES AEDEQELSEVFMKTLNYTAR FSRFKNRETI
ASVRSLLLQK KLHKFELACL ANLCPETAEE SKALIPSLEGRFEDEELQI LDDIQTKRSF QY
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