

# Recombinant human RNA polymerase II subunit RPB4/POLR2D protein

Catalog Number: ATGP2265

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-142aa

### UniProt No.

O15514

### NCBI Accession No.

NP\_004796

### Alternative Names

DNA-directed RNA polymerase II subunit RPB4, HSRBP4, HSRPB4, RBP4, RPB16

## PRODUCT SPECIFICATION

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### Molecular Weight

18.7 kDa (165aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

POLR2D is 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 this gene. Recombinant human POLR2D protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

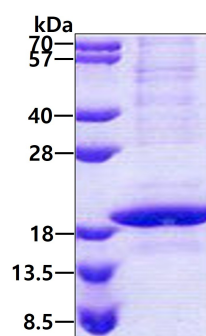
<MGSSHHHHH SSGLVPRGSH MGS>MAAGGSD PRAGDVEEDA SQLIFPKEFE TAETLLNSEV HMLLEHRKQQ  
NESAEDEQEL SEVFMKTLNY TARFSRFKNR ETIASVRSLL LQKKLHKFEL ACLANLCPET AEESKALIPS LEGRFEDEEL  
QQILDDIQTK RSFQY

## General References

Khazak V., et al. (1998). Mol. Cell. Biol. 18:1935-1945

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.