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# Recombinant human RNA polymerase II subunit RPB9/POLR2I protein

Catalog Number: ATGP1828

#### PRODUCT INFORMATION

# **Expression system**

E.coli

#### **Domain**

1-125aa

#### UniProt No.

P36954

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

NP 006224

#### **Alternative Names**

DNA-directed RNA polymerase II subunit RPB9, hRPB14.5, RPB9

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

17 kDa (148aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **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**

#### **Description**

POLR2I, also known as RPB9, belongs to the archaeal rpoM/eukaryotic RPA12/RPB9/RPC11 RNA polymerase family. This protein is a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Also it is synthesizes mRNA precursors and many functional non-coding RNAs. Recombinant human PORL2I protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

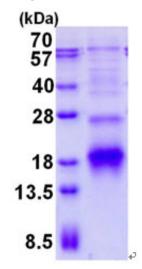
MGSSHHHHHH SSGLVPRGSH MGSMEPDGTY EPGFVGIRFC QECNNMLYPK EDKENRILLY ACRNCDYQQE ADNSCIYVNK ITHEVDELTQ IIADVSQDPT LPRTEDHPCQ KCGHKEAVFF QSHSARAEDA MRLYYVCTAP HCGHRWTE

## **General References**

Kershnar E., et al. (1998) J. Biol. Chem. 273:34444-34453

# **DATA**

# **SDS-PAGE**



15% SDS-PAGE (3ug)

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

