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# Recombinant human RNA polymerases I, II, and III subunit RPABC3/POLR2H protein

Catalog Number: ATGP2071

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-150aa

#### UniProt No.

P52434

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

NP 006223

#### **Alternative Names**

DNA-directed RNA polymerases I II and III subunit RPABC3, DNA-directed RNA polymerases I, II, and III subunit RPABC3, hsRPB8, RPABC3, RPB17, RPB8

#### **PRODUCT SPECIFICATION**

### **Molecular Weight**

19.5 kDa (173aa) confirmed by MALDI-TOF

#### **Concentration**

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

#### **Purity**

> 90% 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**

POLR2H is one of the essential subunits of RNA polymerase II that is shared by the other two eukaryotic DNA-directed RNA polymerases, I and III. Recombinant human POLR2H protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

#### **Amino acid Sequence**

<MGSSHHHHHH SSGLVPRGSH MGS>MAGILFE DIFDVKDIDP EGKKFDRVSR LHCESESFKM DLILDVNIQI YPVDLGDKFR



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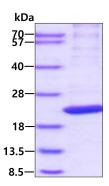
LVIASTLYED GTLDDGEYNP TDDRPSRADQ FEYVMYGKVY RIEGDETSTE AATRLSAYVS YGGLLMRLQG DANNLHGFEV DSRVYLLMKK LAF

#### **General References**

Kang, X., et al. (2006) J. Biol. Chem. 281 (26), 18216-18226

#### **DATA**

#### **SDS-PAGE**



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

