

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 SGLVPRGSH MGS>MAGILFE DIFDVKDIDP EGKKFDRVSR LHCESEFSKM DLILDVNIQI YPVDLGDKFR

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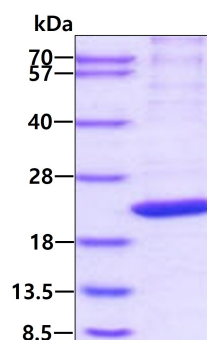
LVIASTLYED GTLDDGEYNP TDDRPSRADQ FEYVMYGVY RIEGDETSTE AATRLSAYVS YGGLLMRLQG DANNLHGFEV
DSRVYLLMKK LAF

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.