

Recombinant human RNA polymerases I, II, and III subunit RPABC4/POLR2K protein

Catalog Number: ATGP2892

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-58aa

UniProt No.

P53803

NCBI Accession No.

NP_005025

Alternative Names

DNA-directed RNA polymerases I II and III subunit RPABC4, DNA-directed RNA polymerases I, II, and III subunit RPABC4, ABC10-alpha, hRPB7.0, hsRPB10a, RPABC4, RPB10alpha, RPB12, RPB7.0

PRODUCT SPECIFICATION

Molecular Weight

9.4 kDa (81aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% 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

POLR2K is one of the smallest subunits of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit is shared by the other two DNA-directed RNA polymerases. Recombinant human POLR2K 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

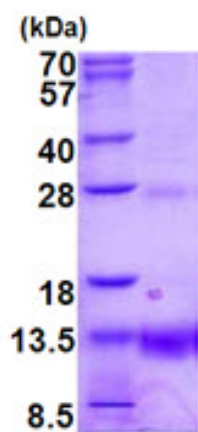
<MGSSHHHHHH SSGLVPRGSH MGS>MDTQKDV QPPKQQPMIY ICGECHTENE IKSRDPIRCR ECGYRIMYKK
RTKRLVVFDA R

General References

Shpakovski G.V., et al. (1995) Mol. Cell. Biol. 15:4702-4710

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)