

Recombinant human RNA polymerases I, II, and III subunit RPABC2/POLR2F protein

Catalog Number: ATGP2647

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-127aa

UniProt No.

P61218

NCBI Accession No.

NP_068809

Alternative Names

DNA-directed RNA polymerases I II and III subunit RPABC2, DNA-directed RNA polymerases I, II, and III subunit RPABC2, Polymerase (RNA) II (DNA directed) polypeptide F, HRBP14.4, POLRF, RPABC2, RPB14.4, RPB6

PRODUCT SPECIFICATION

Molecular Weight

16.9 kDa (150aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by BRADFORD assay)

Formulation

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

Purity

> 95% 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

POLR2F is the sixth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes, that is also shared by the other two DNA-directed RNA polymerases. In yeast, this polymerase subunit, in combination with at least two other subunits, forms a structure that stabilizes the transcribing polymerase on the DNA template. Recombinant human POLR2F 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

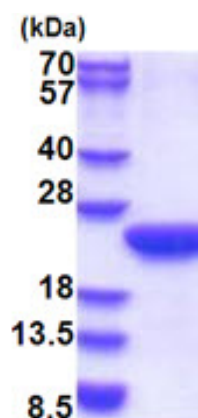
MGSSHHHHHH SSGLVPRGSH MGSMSDNEDN FDGDDFDDVE EDEGLDDLEN AEEEGQENVE ILPSGERPQA
NQKRITTPYM TKYERARVLG TRALQIAMCA PVMVELEGET DPLLIAMKEL KARKIPIIR RYLPDGSYED WGVDELIITD

General References

Kayukawa K., Makino Y., et al. (1999) Gene 234:139-147

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)