

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 synthesizes mRNA precursors and many functional non-coding RNAs. Recombinant human POLR2I 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

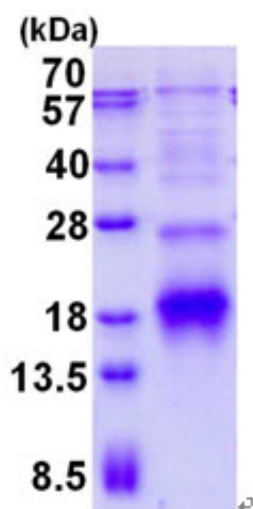
MGSSHHHHHH SSGLVPRGSH MGSMEPDGTY EPGFVGIRFC QECNNMLYPK EDKENRILLY ACRNCDYQQE ADNSCIYVNK
ITHEVDELTDQ IADVSQDPT LPRTEHDPCQ KCGHKEAVFF QSHSARAEDA MRLYYVCTAP HCGHRWTE

General References

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

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)