

AR50652PU-N

Human POLR2I (1-125, His-tag) - Purified

Alternate names:

DNA-directed RNA polymerase II subunit I, DNA-directed RNA polymerase II subunit RPB9, RNA polymerase II 14.5 kDa subunit, RNA polymerase II subunit B9, RPB14.5, RPB9

Quantity:

0.25 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P36954](#)

NCBI:

[NP_006224](#)

GenelD:

[5438](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT

Description:

Recombinant human POLR2I protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMEPDGT EPGFVGIRFC QECNNMLYPK EDKENRILLY
ACRNC DYQQE ADNSCIYV NK ITHEVDEL TQ IIADVSQDPT LPRTE DHPCQ KCGHKEAVFF
QSHSARAEDA MRLYYVCTAP HCGHRWTE

Molecular weight: 17.0 kDa (148aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

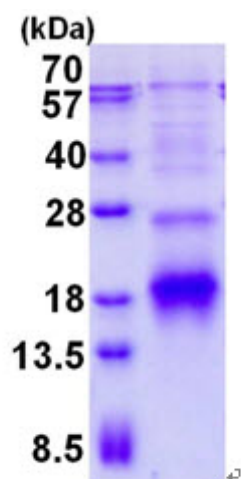
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:



15% SDS-PAGE (3ug)