

Recombinant human RNA polymerase II subunit RPB11-a/POLR2J protein

Catalog Number: ATGP1774

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-117aa

UniProt No.

P52435

NCBI Accession No.

NP_006225

Alternative Names

DNA-directed RNA polymerase II subunit RPB11-a, hRPB14, POLR2J1, RPB11, RPB11A, RPB11m

PRODUCT SPECIFICATION

Molecular Weight

15.7 kDa (140aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 5mM DTT, and 2mM EDTA

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

POLR2J is a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This protein exists as a heterodimer with another polymerase subunit; together they form a core subassembly unit of the polymerase. Two similar genes are located nearby on chromosome 7q22. 1 and a pseudogene is found on chromosome 7p13. Recombinant human POLR2J 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>MNAPPAF ESLLFEGEK KITINKDTKV PNACLTINK EDHTLGNIK SLLKDPQVL
FAGYKVPHPLE EHKIIIRVQT TPDYSPQEAF TNAITDLISE LSLLEERFRV AIKDKQEGIE

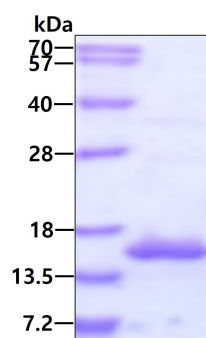
General References

Proshkin,S.A., et al. (2011) Biochemistry Mosc. 76 (8), 976-980

Shpakovskii,D.G., et al. (2004) Bioorg. Khim. 30 (6), 621-625

DATA

SDS-PAGE



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