

AR50598PU-S**Human POLR2J (1-117, His-tag) - Purified****Alternate names:**

DNA-directed RNA polymerase II subunit J-1, DNA-directed RNA polymerase II subunit RPB11-a, DNA-directed RNA polymerase II subunit RPB11-a, POLR2J1, RNA polymerase II 13.3 kDa subunit, RNA polymerase II subunit B11-a, RPB11a

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[P52435](#)**NCBI:**[NP_006225](#)**GeneID:**[5439](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 5mM DTT, and 2mM EDTA**Description:**

Recombinant human POLR2J protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMNAPPAF ESLLFEGEK KITINKDTKV PNACLFTINK
EDHTLGNIIK SLLKDPQVL FAGYKVPPL EHKIIIRVQT TPDYSPQEA TNAITDLISE
LSLLEERFRV AIKDKQEGIE

Molecular weight: 15.7 kDa (140aa) 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:

Proshkin, S.A., et al. (2011) Biochemistry Mosc. 76 (8), 976-980 Shpakovskii, D.G., et al. (2004) Bioorg. Khim. 30 (6), 621-625

Pictures:

