

POLR2J2, 1-115aa Human, His tag, E.coli

Cat.NO.: TP03465

3th Edition

Synonyms:DNA-directed RNA polymerase II subunit RPB11-b1, HRPB11B, RPB11b1

Description:POLR2J2 is a member of the RNA polymerase II subunit 11 gene family, which includes three genes in a cluster on chromosome 7q22.1 and a pseudogene on chromosome 7p13. The founding member of family, DNA directed RNA polymerase II polypeptide J, has been shown to encode a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This locus produces multiple, alternatively spliced transcripts that potentially express isoforms with distinct C-termini compared to DNA directed RNA polymerase II polypeptide J. Most or all variants are spliced to include additional non-coding exons at the 3' end which makes them candidates for nonsense-mediated decay (NMD). Consequently, it is not known if this locus expresses a protein or proteins in vivo. Recombinant human POLR2J2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT, 250mM Imidazole

Molecular Weight:15.5 kDa (138aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMNAPPAFESFLLFEGEKITINKDTKVPKACLFTINKEDHTLGNIIKSQLLKDPQ
VLFAGYKVPHPLEHKIIIRVQTTDPDYSPQEAFTNAITDLISELSLLEERFRTCLLPLRLLP

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.