Recombinant Human Polymerase (RNA) II (DNA Directed) Polypeptide J, 13.3kDa, His-tagged

Cat. No. POLR2J-7206H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human POLR2J protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 15.7 kDa.
Species	Human
Source	E.coli
ProteinLength	1-117aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 5mM DTT, and 2mM EDTA.
Molecular Mass	15.7 kDa (140aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNAPPAF ESFLLFEGEK KITINKDTKV PNACLFTINK EDHTLGNIIK SQLLKDPQVL FAGYKVPHPL EHKIIIRVQT TPDYSPQEAF TNAITDLISE LSLLEERFRV AIKDKQEGIE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	POLR2J polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa [Homo sapiens]
Official Symbol	POLR2J
Synonyms	POLR2J; polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa; polymerase (RNA) II (DNA directed) polypeptide J (13.3kD); DNA-directed RNA polymerase II subunit RPB11-a; hRPB14; POLR2J1; RPB11; RPB11A; RPB11m; RNA polymerase II subunit B11-a; RNA polymerase II 13.3 kDa subunit; DNA-directed RNA polymerase II subunit J-1; MGC71910;
Gene ID	5439
mRNA Refseq	NM_006234
Protein Refseq	NP_006225
MIM	604150
UniProt ID	P52435

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Chromosome Location	7q11.2
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; DNA Repair, organism-specific biosystem; Disease, organism-specific biosystem; Dual incision reaction in TC-NER, organism-specific biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; Formation of HIV-1 elongation complex in the absence of HIV-1 Tat, organism-specific biosystem;
Function	DNA binding; DNA-directed RNA polymerase activity; LRR domain binding; protein binding; contributes_to protein kinase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA