

Recombinant Human POLR2J3 polymerase (RNA) II (DNA directed) polypeptide J3, His-tagged

Cat. No. POLR2J3-7175H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human POLR2J3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 15.5 kDa.
Species	Human
Source	E.coli
ProteinLength	1-115aa
Description	DNA-directed RNA polymerase II subunit RPB11-b2, also known as POLR2J3, belongs to the eukaryotic RPB11 RNA polymerase subunit family. POLR2J (DNA-directed RNA polymerase II subunit J) exist as three variants POLR2J1 (RPB11-a), POLR2J2 (RPB11-b1), and POLR2J3 (RPB11-b2). POLR2J3 is DNA-dependent RNA polymerases that catalyze the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 1mM DTT.
Molecular Mass	15.5 kDa (138aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNAPPAF ESLLFEGEK ITINKDTKVP NACLFTINKE DHTLGNIKS QLLKDPQVLF AGYKVPHPLE HKIIRVQTT

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	PDYSPQEAFT NAITDLISEL SLLEERFRTC LLPLRLLP
Purity	>95% 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	POLR2J3 polymerase (RNA) II (DNA directed) polypeptide J3 [Homo sapiens]
Official Symbol	POLR2J3
Synonyms	POLR2J3; polymerase (RNA) II (DNA directed) polypeptide J3; POLR2J2; RPB11b1; RPB11b2; DNA-directed RNA polymerase II subunit RPB11-b2; RNA polymerase II subunit B11-b2; DNA-directed RNA polymerase II subunit 11; DNA-directed RNA polymerase II subunit J3
Gene ID	548644
mRNA Refseq	NM_001097615
Protein Refseq	NP_001091084
UniProt ID	Q9GZM3
Chromosome Location	7q22.1

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Pathway	Epstein-Barr virus infection, organism-specific biosystem; Huntington's disease, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Pyrimidine metabolism, organism-specific biosystem; RNA polymerase, organism-specific biosystem
Function	DNA binding; DNA-directed RNA polymerase activity

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