

Recombinant Human POLR2I, His-tagged

Cat. No. POLR2I-522H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLR2I with His tag is expressed in <i>E. coli</i> that carries the coding sequence of human RPB9 under the control of a T7 promoter.
Species	Human
Source	E.coli
Description	hRPB9 is a subunit unique to RNA polymerase II, although it has sequence homologues in RNA polymerases I and III. The gene for Rpb9 is not essential for yeast cell viability, but is essential in <i>Drosophila</i> . hRPB9 has roles in both transcription initiation and transcription elongation. In the initiation reaction it is necessary for accurate start site selection. In the elongation reaction, RPB9, along with TFIIS facilitates the conversion of an arrest-competent conformation to a read-through competent conformation.
Purity	Purity > 95% by SDS-PAGE analysis.
Application	RPB5 has been applied in protein-protein interactions assays.
Endotoxin	1 unit equals 1 nanogram of purified protein.
Buffer	1x dilution buffer A: 20 mM Tris-Cl (pH 8.0), 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA.

GENE INFORMATION

 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

Gene Name	POLR2I polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa [Homo sapiens]
Synonyms	POLR2I; polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa; DNA-directed RNA polymerase II 14.5 kDa polypeptide; DNA-directed RNA polymerase II subunit I; DNA-directed RNA polymerase II subunit RPB9; RNA polymerase II subunit B9; RPB14.5; RPB9; hRPB14.5; POLR2I
Gene ID	5438
mRNA Refseq	NM_006233
Protein Refseq	NP_006224
MIM	180662
UniProt ID	P36954
Chromosome Location	19q12
Pathway	Huntington"s disease; Metabolic pathways; Purine metabolism; RNA polymerase; Gene Expression; Regulatory RNA pathways; mRNA Processing
Function	DNA binding; DNA-directed RNA polymerase activity; protein binding; protein kinase activity; zinc ion binding