



# Recombinant Human DNA-directed RNA polymerase II subunit RPB7 (POLR2G)

<b>Product Code</b>	CSB-MP018334HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P62487
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MFYHISLEHE ILLHPRYFGP NLLNTVKQKL FTEVEGTCTG KYGFVIAVTT IDNIGAGVIQ PGRGFVLYPV KYKAIVFRPF KGEVVDVVV QVNVKGLFTE IGPMSCFISR HSIPSEMEFD PNSNPPCYKT MDEDIVIQD DEIRLKIVGT RVDKNDIFAI GSLMDDYLGL VS
<b>Source</b>	Mammalian cell
<b>Target Names</b>	POLR2G
<b>Protein Names</b>	Recommended name: DNA-directed RNA polymerase II subunit RPB7 Short name= RNA polymerase II subunit B7 Alternative name(s): DNA-directed RNA polymerase II subunit G RNA polymerase II 19 kDa subunit Short name= RPB19
<b>Expression Region</b>	1-172
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes the seventh largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The protein functions in transcription initiation, and is also thought to help stabilize transcribing polymerase molecules during elongation.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.