

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

Cat. No. POLR2H-556H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	POLR2H, 1-150aa, Human His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-150 a.a.
Description	POLR2H is one of the essential subunits of RNA polymerase II that is shared by the other two eukaryotic DNA-directed RNA polymerases, I and III. Recombinant human POLR2H 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
Molecular Mass	19.5 kDa (173aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAGILFE DIFDVKDIDP EGKKFDRVSR LHCESESEFKM DLILDVNIQI YPVDLGDKFR LVIASLTLYED GTLDDGEYNP TDDRPSRADQ FEYVMYGKVY RIEGDETSTE AATRLSAYVS YGGLLMRLQG DANNLHGFEV DSRVYLLMKK LAF
Purity	>90% by SDS - PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	POLR2H polymerase (RNA) II (DNA directed) polypeptide H [Homo sapiens]
Official Symbol	POLR2H
Synonyms	POLR2H; polymerase (RNA) II (DNA directed) polypeptide H; DNA-directed RNA polymerases I, II, and III subunit RPABC3; RPB8; hRPB8; RPB8 homolog; DNA-directed RNA polymerase II subunit H; RNA polymerases I, II, and III subunit ABC3; DNA-directed RNA polymerases I, II, and III 17.1 kDa polypeptide; RPB17; RPABC3; hsRPB8;
Gene ID	5437
mRNA Refseq	NM_006232
Protein Refseq	NP_006223
MIM	606023
UniProt ID	P52434
Chromosome Location	3q28
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific

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biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved 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;

Function

DNA-directed RNA polymerase activity; contributes_to protein kinase activity; zinc ion binding;

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