Recombinant Human POLR2H, GST-tagged

Cat. No. POLR2H-8509H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLR2H,fused with GST tag,was expressed in E. coli.
Species	Human
Source	E.coli
Description	The RPB8 subunit is present in all three types of eukaryotic RNA polymerases and is highly conserved during evolution. It is an essential subunit required for the transcription of nuclear genes. Rpb8 interacts with the largest subunit Rpb1, and with Rpb3 and Rpb11, two smaller subunits. hRPB8 interacts with single-stranded DNA nonspecifically. When DNA is damaged in cells, the breast and ovarian tumor suppressor BRCA1 ubiquitinates RPB8, which may relate with the BRCA1-dependent cell survival.
Form	20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA
AA Sequence	MAGILFEDIF DVKDIDPEGK KFDRVSRLHC ESESFKMDLI LDVNIQIYPV DLGDKFRLVI ASTLYEDGTL DDGEYNPTDD RPSRADQFEY VMYGKVYRIE GDETSTEAAT RLSAYVSYGG LLMRLQGDAN NLHGFEVDSR VYLLMKKLAF
Purity	>95% as determined by SDS-PAGE
Storage	-80 °C
Concentration	300 μg/ml

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Shipping	Dry Ice

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 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,

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	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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