

Recombinant Human POLR2F, His-tagged

Cat. No. POLR2F-154H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	POLR2F, 1-127aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-127aa
Description	POLR2F is the sixth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes, that is also shared by the other two DNA-directed RNA polymerases. In yeast, this polymerase subunit, in combination with at least two other subunits, forms a structure that stabilizes the transcribing polymerase on the DNA template. Recombinant human POLR2F 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, 20% glycerol, 1mM DTT
Molecular Mass	16.9kDa (150aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDSNEDN FDGDDFDDVE EDEGLDDLEN AEEEGQENVE ILPSGERPQA NQKRITTPYM TKYERARVLG TRALQIAMCA PVMVELEGET DPLLIAMKEL KARKIPIIR RYLPDGSYED WGVDELIITD

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Purity	>95% by SDS - PAGE
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	1.0 mg/ml (determined by BRADFORD assay)
GENE INFORMATION	
Gene Name	POLR2F polymerase (RNA) II (DNA directed) polypeptide F [Homo sapiens]
Official Symbol	POLR2F
Synonyms	POLR2F; polymerase (RNA) II (DNA directed) polypeptide F; DNA-directed RNA polymerases I, II, and III subunit RPABC2; DNA directed RNA polymerase II 14.4 kda polypeptide; HRBP14.4; RPB6; RPC15; RPABC14.4; RPB6 homolog; RNA Polymerase II subunit 14.4 kD; DNA-directed RNA polymerase II subunit F; RNA polymerases I, II, and III subunit ABC2; DNA-directed RNA polymerases I, II, and III 14.4 kDa polypeptide; POLRF; RPABC2; RPB14.4;
Gene ID	5435
mRNA Refseq	NM_021974
Protein Refseq	NP_068809
MIM	604414
UniProt ID	P61218
Chromosome	22q13.1

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Location	
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, organism-specific biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem;
Function	DNA binding; DNA-directed RNA polymerase activity; contributes_to protein kinase activity;

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