

Recombinant Human polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa, His-tagged

Cat. No. POLR2K-669H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	POLR2K, 1-58aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-58 a.a.
Description	POLR2K is one of the smallest subunits of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit is shared by the other two DNA-directed RNA polymerases. Recombinant human POLR2K protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT
Molecular Mass	9.4 kDa (81aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDTQKD V QPPKQQPMIY ICGECHTENE IKSRDPIRCR ECGYRIMYKK RTKRLVVFDA R
Purity	>85 % by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store

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at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name POLR2K?polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa [?Homo sapiens?(human)]

Official Symbol POLR2K

Synonyms

POLR2K; RPB12; RPABC4; RPB7.0; hRPB7.0; hsRPB10a; RPB10alpha; ABC10-alpha; polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa; DNA-directed RNA polymerases I, II, and III subunit RPABC4; RNA polymerase II 7.0 kDa subunit; DNA-directed RNA polymerase II subunit K; RNA polymerases I, II, and III subunit ABC4; DNA directed RNA polymerases I, II, and III 7.0 kda polypeptide; NP_005025.1; EC 2.7.7.6

Gene ID 5440

mRNA Refseq NM_005034

Protein Refseq NP_005025

MIM 606033

UniProt ID P53803

Chromosome Location 8q22.2

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Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat; Cytosolic DNA-sensing pathway; DNA Repair
Function	DNA binding; contributes_to RNA polymerase I activity; zinc ion binding

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