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POLR2E, 1-210aa, Human, His tag, E.coli

产品货号: TP03460

第三版

别名:DNA-directed RNA polymerases I, II, and III subunit RPABC1, hRPB25, hsRPB5, RPABC1, RPB5, XAP4

**描述:**POLR2E, also as known as DNA-directed RNA polymerases I, II, and III subunit RPABC1, belongs to the archaeal RpoH/eukaryotic RPB5 RNA polymerase subunit family. POLR2E is the fifth largest subunit 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 and is present in two-fold molar excess over the other polymerase subunits. POLR2E is a DNA-dependent RNA polymerase that catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Recombinant human POLR2E protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

**分子量:**27.1kDa (233aa), confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMGSMDEEETYRLWKIRKTIMQLCHDRGYLVTQDELDQTLEEFKAQFGDKPSEGRPRR  
TDLTVLVVAHNDDPTDQMFVFFPEEPKVGIKTIKVCYQRMQEENITRALIVVQQGMTPSAKQSLVDMAPKYILEQFLQQEL  
LINITEHELVPEHVVMTKKEEVELLARYKLRENQLPRIQAGDPVARYFGIKRGQVVKIIRPSETAGRYITYRLVQ

**纯度:**> 95% by HPLC

**浓度:**1 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.