

**POLR2F, 1-127aa, Human, His tag, E.coli**

**Cat.NO.: TP03461**

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3th Edition

**Synonyms:**DNA-directed RNA polymerases I, II, and III subunit RPABC2, Polymerase (RNA) II (DNA directed) polypeptide F, HRBP14.4, POLRF, RPABC2, RPB14.4, RPB6

**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 Weight:**16.9kDa (150aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMDSNEDNFDGDDFDDVEEDEGLDDLENAAEEEGQENVEILPSGERPQANQK  
RITTPYMTKYERARVLGTRALQIAMCAPVMVELEGETDPLLIAMKELKARKIPIIRRYLPDGSYEDWGVDELIITD

**Purity:**> 95% by HPLC

**Concentration:**1.0 mg/ml (determined by BRADFORD assay)

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

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.