

**POLR2D, 1-142aa, Human, His tag, E.coli**

**Cat.NO.: TP03459**

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3th Edition

**Synonyms:**DNA-directed RNA polymerase II subunit RPB4, HSRBP4, HSRPB4, RBP4, RPB16

**Description:**POLR2D is the fourth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. In yeast, this polymerase subunit is associated with the polymerase under suboptimal growth conditions and may have a stress protective role. A sequence for a ribosomal pseudogene is contained within the 3' untranslated region of the transcript from this gene. Recombinant human POLR2D protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea 10% glycerol

**Molecular Weight:**18.7 kDa (165aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMAGGSDPRAGDVEEDASQLIFPKEFETAETLLNSEVHMLLEHRKQQNESA  
EDEQELSEVFMKTLNYTARFSRFRKNRETIASVRSLLLQKHLKFECLAANLCPETAESKALIPSLEGRFEDEELQQ  
ILDDIQTKRSFQY

**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.