

## Product datasheet for **TP301957L**

### **POLR2K (NM\_005034) Human Recombinant Protein**

#### **Product data:**

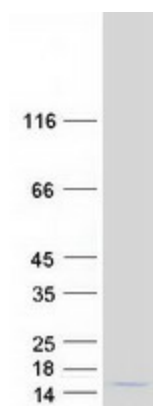
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa (POLR2K), 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC201957 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MDTQKDVQPPKQQPMIYICGECHTENEIKSRDPIRCRECGYRIMYKKRTKRLWFDAR  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	6.8 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_005025</a>
<b>Locus ID:</b>	5440
<b>UniProt ID:</b>	<a href="#">P53803</a> , <a href="#">A0A024R9G0</a>
<b>RefSeq Size:</b>	971
<b>Cytogenetics:</b>	8q22.2



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RefSeq ORF:	174
Synonyms:	ABC10-alpha; hRPB7.0; hsRPB10a; RPABC4; RPB7.0; RPB10alpha; RPB12
Summary:	This gene encodes 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. [provided by RefSeq, Jul 2008]
Protein Families:	Transcription Factors
Protein Pathways:	Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

### Product images:



Coomassie blue staining of purified POLR2K protein (Cat# [TP301957]). The protein was produced from HEK293T cells transfected with POLR2K cDNA clone (Cat# [RC201957]) using MegaTran 2.0 (Cat# [TT210002]).