

## Product datasheet for TP301116L

### POLR2D (NM\_004805) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human polymerase (RNA) II (DNA directed) polypeptide D (POLR2D), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201116 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MAAGGSDPRAGDVEEDASQLIFPKEFETAETLLNSEVHMLLEHRKQQNESAEDEQELSEVFMKTLNYTAR FSRFKNRETIASVRSLLLQKKLHKFELACLANLCPETAEESEKALIPSLEGRFEDEELQQLDDIQTKRFSF QY
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	16.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_004796</a>
Locus ID:	5433
UniProt ID:	<a href="#">O15514</a>



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RefSeq Size: 2338

Cytogenetics: 2q14.3

RefSeq ORF: 426

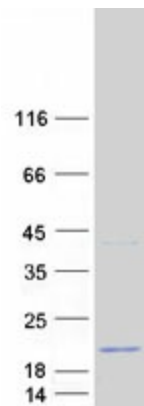
Synonyms: HSRBP4; HSRPB4; RBP4; RPB4; RPB16

**Summary:** This gene encodes 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. [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 POLR2D protein (Cat# [TP301116]). The protein was produced from HEK293T cells transfected with POLR2D cDNA clone (Cat# [RC201116]) using MegaTran 2.0 (Cat# [TT210002]).