

Product datasheet for **TP301266L**

POLR2E (NM_002695) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human polymerase (RNA) II (DNA directed) polypeptide E, 25kDa (POLR2E), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201266 protein sequence Red =Cloning site Green =Tags(s)

MDDEEETYRLWKIRKTIMQLCHDRGYLVTQDELDTLEEFKAQFGDKPSEGRPRRTDLTVLVAHNDPTD
QMFVFFPEEPKVGIKTIKYYCQRMQEENITRALIVVQQGMTPSAKQSLVDMAPKYILEQFLQPELLINIT
EHELVPEHVMTKEEVEPELLARYKLRENQLPRIQAGDPVARYFGIKRGQVVKIIRPSETAGRYITYRLVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	24.4 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:	<u>NP_002686</u>
Locus ID:	5434
UniProt ID:	<u>P19388</u>



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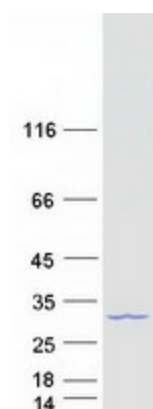
RefSeq Size:	2866
Cytogenetics:	19p13.3
RefSeq ORF:	630
Synonyms:	hRPB25; hsRPB5; RPABC1; RPB5; XAP4

Summary: This gene encodes 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. An interaction between this subunit and a hepatitis virus transactivating protein has been demonstrated, suggesting that interaction between transcriptional activators and the polymerase can occur through this subunit. A pseudogene is located on chromosome 11. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

Protein Families: Transcription Factors

Protein Pathways: Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

Product images:



Coomassie blue staining of purified POLR2E protein (Cat# [TP301266]). The protein was produced from HEK293T cells transfected with POLR2E cDNA clone (Cat# [RC201266]) using MegaTran 2.0 (Cat# [TT210002]).