

Product datasheet for **TP301266M**

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), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC201266 protein sequence
Red=Cloning site **Green**=Tags(s)

MDDEEETYRLWKIRKTIMQLCHDRGYLVTQDELDTLEEFKAQFGDKPSEGRPRRTDLTVLVAHNDPTD
QMFVFFPEEPKVGIKTIKYYCQRMQEENITRALIVVQQGMTPSAKQSLVDMAPKYILEQLQPELLINIT
EHELVPESHVMTKEEVEPELLARYKLRENQLPRIQAGDPVARYFGIKRGQVVKIIRPSETAGRYITYRLVQ

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: [NP_002686](#)

Locus ID: 5434

UniProt ID: [P19388](#)



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RefSeq Size: 2866

Cytogenetics: 19p13.3

RefSeq ORF: 630

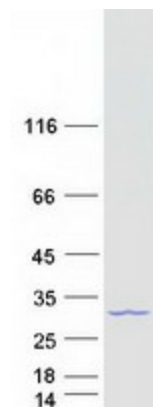
Synonyms: hRPB25; hsRPB5; RPABC1; RPB5; XAP4

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]).