

## Product datasheet for PH301266

### POLR2E (NM\_002695) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	POLR2E MS Standard C13 and N15-labeled recombinant protein (NP_002686)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201266
Predicted MW:	24.6 kDa
Protein Sequence:	>RC201266 protein sequence Red=Cloning site Green=Tags(s)  MDDEEETYRLWKIRKTIIMQLCHDRGYLVTQDELDTLEEFKAQFGDKPSEGRPRRTDLTVLVAHNDPTD QMFVFFPEEPKVGIKTIKIVYQCQRMQEENITRALIVVQQGMTPSAKQSLVDMAPKYILEQFLQQELLINIT EHELVPHEVVMTKEEVTELLARYKLRNQLPRIQAGDPVARYFGIKRGQVVKIIRPSETAGRYITYRLVQ  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_002686</a></u>
RefSeq Size:	2866
RefSeq ORF:	630
Synonyms:	hRPB25; hsRPB5; RPABC1; RPB5; XAP4
Locus ID:	5434
UniProt ID:	<u><a href="#">P19388</a></u>



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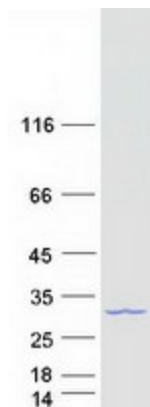
**Cytogenetics:** 19p13.3

**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]).