

## Product datasheet for PH301957

### POLR2K (NM\_005034) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	POLR2K MS Standard C13 and N15-labeled recombinant protein (NP_005025)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201957
Predicted MW:	7 kDa
Protein Sequence:	>RC201957 protein sequence Red=Cloning site Green=Tags(s)  MDTQKDVQPPKQQPMIYICGECHTENEIKSRDPIRCRECGYRIMYKRTKRLVVFAR  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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:	<a href="#">NP_005025</a>
RefSeq Size:	971
RefSeq ORF:	174
Synonyms:	ABC10-alpha; hRPB7.0; hsRPB10a; RPABC4; RPB7.0; RPB10alpha; RPB12
Locus ID:	5440
UniProt ID:	<a href="#">P53803</a> , <a href="#">A0A024R9G0</a>
Cytogenetics:	8q22.2



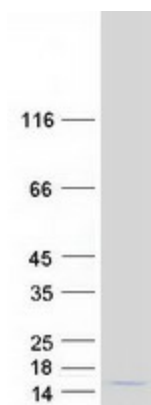
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**Summary:** This gene encodes one of the smallest subunits of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit is shared by the other two DNA-directed RNA polymerases. [provided by RefSeq, Jul 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]).