OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH301116

POLR2D (NM_004805) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	POLR2D MS Standard C13 and N15-labeled recombinant protein (NP_004796)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201116
Predicted MW:	16.3 kDa
Protein Sequence:	>RC201116 protein sequence Red=Cloning site Green=Tags(s) MAAGGSDPRAGDVEEDASQLIFPKEFETAETLLNSEVHMLLEHRKQQNESAEDEQELSEVFMKTLNYTAR FSRFKNRETIASVRSLLLQKKLHKFELACLANLCPETAEESKALIPSLEGRFEDEELQQILDDIQTKRSF QY 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:	NP_004796
RefSeq Size:	2338
RefSeq ORF:	426
Synonyms:	HSRBP4; HSRPB4; RBP4; RPB4; RPB16
Locus ID:	5433
UniProt ID:	O15514

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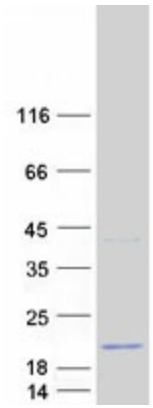
Cytogenetics: 2q14.3

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]).