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Product datasheet for PH300855

POLR2F (NM_021974) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	POLR2F MS Standard C13 and N15-labeled recombinant protein (NP_068809)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200855
Predicted MW:	14.5 kDa
Protein Sequence:	>RC200855 protein sequence Red=Cloning site Green=Tags(s) MSDNEDNFDGDDFDDVEEDEGLDDLENAEEEGQENVEILPSGERPQANQKRITTPYMTKYERARVLGTRA LQIAMCAPVMVELEGETDPLLIAMKELKARKIPIIIRRYLPDGSYEDWGVDELIITD 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_068809
RefSeq Size:	2109
RefSeq ORF:	381
Synonyms:	HRBP14.4; POLRF; RPABC2; RPABC14.4; RPB6; RPB14.4; RPC15
Locus ID:	5435
UniProt ID:	P61218
Cytogenetics:	22q13.1

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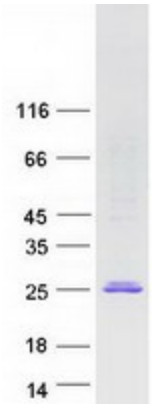
Summary: This gene encodes the sixth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. In yeast, this polymerase subunit, in combination with at least two other subunits, forms a structure that stabilizes the transcribing polymerase on the DNA template. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Protein Families: Transcription Factors

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

Product images:



Coomassie blue staining of purified POLR2F protein (Cat# [TP300855]). The protein was produced from HEK293T cells transfected with POLR2F cDNA clone (Cat# [RC200855]) using MegaTran 2.0 (Cat# [TT210002]).