

Product datasheet for PH304102

POLR3K (NM_016310) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	POLR3K MS Standard C13 and N15-labeled recombinant protein (NP_057394)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204102
Predicted MW:	12.3 kDa
Protein Sequence:	>RC204102 protein sequence Red=Cloning site Green=Tags(s) MLLFCPGCGNGLIVEEGQRCHRFACNTCPYVHNI TRKVTNRKYPKLKEVDDVLGGAAAWENV DSTAESCP KCEHPRAYFMQLQTRSAD EPM TTFYKCCNAQC GHRWRD 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_057394
RefSeq Size:	834
RefSeq ORF:	324
Synonyms:	C11; C11-RNP3; HLD21; My010; RPC10; RPC11; RPC12.5
Locus ID:	51728
UniProt ID:	Q9Y2Y1
Cytogenetics:	16p13.3



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Summary:

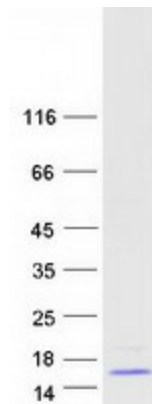
This gene encodes a small essential subunit of RNA polymerase III, the polymerase responsible for synthesizing transfer and small ribosomal RNAs in eukaryotes. The carboxy-terminal domain of this subunit shares a high degree of sequence similarity to the carboxy-terminal domain of an RNA polymerase II elongation factor. This similarity in sequence is supported by functional studies showing that this subunit is required for proper pausing and termination during transcription. Pseudogenes of this gene are found on chromosomes 13 and 17.[provided by RefSeq, Jul 2010]

Protein Families:

Transcription Factors

Protein Pathways:

Cytosolic DNA-sensing pathway, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

Product images:

Coomassie blue staining of purified POLR3K protein (Cat# [TP304102]). The protein was produced from HEK293T cells transfected with POLR3K cDNA clone (Cat# [RC204102]) using MegaTran 2.0 (Cat# [TT210002]).