

Product datasheet for PH301466

POLR1D (NM_015972) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	POLR1D MS Standard C13 and N15-labeled recombinant protein (NP_057056)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201466
Predicted MW:	15.2 kDa
Protein Sequence:	>RC201466 protein sequence Red=Cloning site Green=Tags(s) MEEDQELERKISGLKTSMAEGERKTALEMVQAAGTDRHCVTFVLHEEDHTLGNSLRYMIMKNPEVEFCGY TTTHPSESKINLRIQTRGTLPAVEPFQRGLNELMNVQCQHVLDKFEASIKDYKDQKASRNESTF 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_057056
RefSeq Size:	817
RefSeq ORF:	399
Synonyms:	AC19; POLR1C; RPA9; RPA16; RPAC2; RPC16; RPO1-3; TCS2
Locus ID:	51082
UniProt ID:	P0DPB6
Cytogenetics:	13q12.2



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Summary:

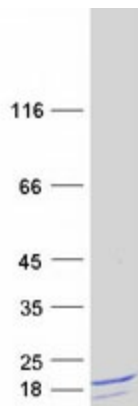
The protein encoded by this gene is a component of the RNA polymerase I and RNA polymerase III complexes, which function in the synthesis of ribosomal RNA precursors and small RNAs, respectively. Mutations in this gene are a cause of Treacher Collins syndrome (TCS), a craniofacial development disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2011]

Protein Families:

Stem cell - Pluripotency, Transcription Factors

Protein Pathways:

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

Product images:

Coomassie blue staining of purified POLR1D protein (Cat# [TP301466]). The protein was produced from HEK293T cells transfected with POLR1D cDNA clone (Cat# [RC201466]) using MegaTran 2.0 (Cat# [TT210002]).