

Recombinant Human POLR1D Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. POLR1D-1838H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	POLR1D MS Standard C13 and N15-labeled recombinant protein (NP_689918) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	14.3 kDa
AA Sequence	MEEDQELERKAIEELLKEAKRGKTRAETMGPMGWMKCPLASTNKRFLINTIKNTLPS HKEQDHEQKEGDKEPAKSQAQKEENPKKHRSHPYKHSFRARGSASYSPPRKRSS QDKYEKRSNRRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	POLR1D RNA polymerase I and III subunit D [Homo sapiens (human)]
Official Symbol	POLR1D
Synonyms	POLR1D; polymerase (RNA) I polypeptide D, 16kDa; DNA-directed RNA polymerases I and III subunit RPAC2; MGC9850; RPA9; RPA16; RPAC2; RPO1 3; RNA polymerases I and III subunit AC2; DNA-directed RNA polymerase I subunit D; AC19; TCS2; RPC16; POLR1C; RPO1-3; FLJ20616;
Gene ID	51082
mRNA Refseq	NM_152705
Protein Refseq	NP_689918
MIM	613715
UniProt ID	Q9Y2S0