

## Recombinant Human POLR3K Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** POLR3K-1482H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | POLR3K MS Standard C13 and N15-labeled recombinant protein (NP_057394) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 12.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MLLFCPGCGNGLIVEEGQRCHRFACNTCPYVHNITRKVTNRKYPKLKEVDDVLGGA<br>AAWENVDDSTAESCPKCEHPRAYFMQLQTRSADEPMTTFYKCCNAQCGRWRDTR<br>TRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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conditions.

**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** POLR3K RNA polymerase III subunit K [ Homo sapiens (human) ]

**Official Symbol** POLR3K

**Synonyms** POLR3K; polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa; polymerase (RNA) III (DNA directed) polypeptide K (12.3 kDa); DNA-directed RNA polymerase III subunit RPC10; RPC11; RNA polymerase III subunit C10; RNA polymerase III subunit C11; RNA polymerase III subunit CII; RNA polymerase III 12.5 kDa subunit; RNA polymerase III subunit (hRPC11); DNA-directed RNA polymerase III subunit K; DNA-directed RNA polymerases III 12.5 kDa polypeptide; C11; My010; RPC10; hRPC11; RPC12.5; C11-RNP3;

**Gene ID** 51728

**mRNA Refseq** NM\_016310

**Protein Refseq** NP\_057394

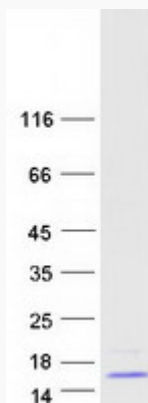
**MIM** 606007

**UniProt ID** Q9Y2Y1

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**SDS-PAGE**

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