

## Recombinant Mouse Polr1c Protein, Myc/DDK-tagged

**Cat. No.** Polr1c-4993M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length polymerase (RNA) I polypeptide C (Polr1c), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Common component of RNA polymerases I and III which synthesize ribosomal RNA precursors and small RNAs, such as 5S rRNA and tRNAs, respectively. RPAC1 is part of the Pol core element with the central large cleft and probably a clamp element that moves to open and close the cleft. |
| <b>Molecular Mass</b>   | 39.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                             |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Polr1c polymerase (RNA) I polypeptide C [ Mus musculus (house mouse) ]

**Official Symbol** Polr1c

**Synonyms**

POLR1C; polymerase (RNA) I polypeptide C; DNA-directed RNA polymerases I and III subunit RPAC1; AC40; RPC40; RNA polymerase 1-1 (40 kDa subunit); RNA polymerases I and III subunit AC1; DNA-directed RNA polymerase I subunit C; DNA-directed RNA polymerases I and III 40 kDa polypeptide; 40kDa; RPA40; Polr1e; Rpo1-1; AA409007; AA959927; AL024089; MGC161175

**Gene ID** 20016

**mRNA Refseq** NM\_009085

**Protein Refseq** NP\_033111

**UniProt ID** P52432

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