

# Recombinant Mouse Polr1f Protein, Myc/DDK-tagged

**Cat. No.** Polr1f-6742M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length twist basic helix-loop-helix transcription factor 1 neighbor (Twistnb), 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. Component of RNA polymerase I which synthesizes ribosomal RNA precursors. Through its association with RRN3/TIF-IA may be involved in recruitment of Pol I to rDNA promoters. |
| <b>Molecular Mass</b>   | 36.7 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                                                                                                                                                                                                                                                                  |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                             |

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## GENE INFORMATION

|                 |                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Polr1f RNA polymerase I subunit F [ Mus musculus (house mouse) ]                                                                   |
| Official Symbol | Polr1f                                                                                                                             |
| Synonyms        | TWISTNB; TWIST neighbor; DNA-directed RNA polymerase I subunit RPA43; twist neighbor protein; D16Wsu83e; 2410173G11; 2810024J17Rik |
| Gene ID         | 28071                                                                                                                              |
| mRNA Refseq     | NM_172253                                                                                                                          |
| Protein Refseq  | NP_758457                                                                                                                          |
| UniProt ID      | Q78WZ7                                                                                                                             |

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