

Recombinant Mouse Polr2f Protein, Myc/DDK-tagged

Cat. No. Polr2f-4998M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length polymerase (RNA) II (DNA directed) polypeptide F (Polr2f), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	DNA-dependent RNA polymerases catalyze the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Common component of RNA polymerases I, II and III which synthesize ribosomal RNA precursors, mRNA precursors and many functional non-coding RNAs, and small RNAs, such as 5S rRNA and tRNAs, respectively. Pol II is the central component of the basal RNA polymerase II transcription machinery. Pols are composed of mobile elements that move relative to each other. In Pol II, POLR2F/RPB6 is part of the clamp element and together with parts of RPB1 and RPB2 forms a pocket to which the RPB4-RPB7 subcomplex binds.
Molecular Mass	14.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Polr2f polymerase (RNA) II (DNA directed) polypeptide F [Mus musculus (house mouse)]

Official Symbol Polr2f

Synonyms POLR2F; polymerase (RNA) II (DNA directed) polypeptide F; DNA-directed RNA polymerases I, II, and III subunit RPABC2; RNA Pol II; RPB6 homolog; DNA-directed RNA polymerase II subunit F; RNA polymerases I, II, and III subunit ABC2; 1810060D16Rik

Gene ID 69833

mRNA Refseq NM_027231

Protein Refseq NP_081507

UniProt ID P61219

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