

Recombinant Mouse Polr2e Protein, Myc/DDK-tagged

Cat. No. Polr2e-4997M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length polymerase (RNA) II (DNA directed) polypeptide E (Polr2e), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	DNA-dependent RNA polymerase catalyzes 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, POLR2E/RPB5 is part of the lower jaw surrounding the central large cleft and thought to grab the incoming DNA template. Seems to be the major component in this process.
Molecular Mass	24.6 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 Polr2e polymerase (RNA) II (DNA directed) polypeptide E [Mus musculus (house mouse)]

Official Symbol Polr2e

Synonyms POLR2E; polymerase (RNA) II (DNA directed) polypeptide E; DNA-directed RNA polymerases I, II, and III subunit RPABC1; RPB5 homolog; DNA-directed RNA polymerase II subunit E; RNA polymerases I, II, and III subunit ABC1; RPB5; XAP4; 25kDa; AW208866; 2410021N14Rik

Gene ID 66420

mRNA Refseq NM_025554

Protein Refseq NP_079830

UniProt ID Q80UW8

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