

Recombinant Mouse Polr2m Protein, Myc/DDK-tagged

Cat. No. Polr2m-5003M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length polymerase (RNA) II (DNA directed) polypeptide M (Polr2m), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Isoform 1 appears to be stable component of the Pol II(G) complex form of RNA polymerase II. Pol II synthesizes mRNA precursors and many functional non-coding RNAs and is the central component of the basal RNA polymerase II transcription machinery. Isoform 1 may play a role in Mediator-dependent regulation of transcription activation. Isoform 1 acts in vitro as negative regulator of transcriptional activation; this repression is relieved by the Mediator complex, which restores Pol II(G) activator-dependent transcription to a level equivalent to that of Pol II.
Molecular Mass	41.2 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.
Concentration	>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 Polr2m polymerase (RNA) II (DNA directed) polypeptide M [Mus musculus (house mouse)]

Official Symbol Polr2m

Synonyms POLR2M; polymerase (RNA) II (DNA directed) polypeptide M; DNA-directed RNA polymerase II subunit GRINL1A; protein GRINL1A; glutamate receptor-like protein 1A; DNA-directed RNA polymerase II subunit M; glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A; Grinl1a; AA407243; AA408799; AI303746; AW553238; D9Wsu138e; mKIAA4185; KIAA4185

Gene ID 28015

mRNA Refseq NM_001164793

Protein Refseq NP_001158265

UniProt ID Q6P6I6

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