

Recombinant Mouse Pole3 Protein, Myc/DDK-tagged

Cat. No. Pole3-4987M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length polymerase (DNA directed), epsilon 3 (p17 subunit) (Pole3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Accessory component of the DNA polymerase epsilon complex. Participates in DNA repair and in chromosomal DNA replication. Forms a complex with CHRA1 and binds naked DNA, which is then incorporated into chromatin, aided by the nucleosome-remodeling activity of ISWI/SNF2H and ACF1.
Molecular Mass	16.7 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Pole3 polymerase (DNA directed), epsilon 3 (p17 subunit) [Mus musculus (house mouse)]
Official Symbol	Pole3
Synonyms	POLE3; polymerase (DNA directed), epsilon 3 (p17 subunit); DNA polymerase epsilon subunit 3; YB-like protein 1; NF-YB-like protein; DNA polymerase II subunit 3; DNA polymerase epsilon, subunit 3; DNA polymerase epsilon subunit p17; YBL1; 1810034K18Rik
Gene ID	59001
mRNA Refseq	NM_021498
Protein Refseq	NP_067473
UniProt ID	Q9JKP7

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