Recombinant Mouse Poll Protein, Myc/DDK-tagged

Cat. No. Poll-4992M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length polymerase (DNA directed), lambda (Poll), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	DNA polymerase that functions in several pathways of DNA repair. Involved in base excision repair (BER) responsible for repair of lesions that give rise to abasic (AP) sites in DNA. Also contributes to DNA double-strand break repair by non-homologous end joining and homologous recombination. Has both template-dependent and template-independent (terminal transferase) DNA polymerase activities. Has also a 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity.
Molecular Mass	62.9 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	Poll polymerase (DNA directed), lambda [Mus musculus (house mouse)]
Official Symbol	Poll
Synonyms	POLL; polymerase (DNA directed), lambda; DNA polymerase lambda; pol Lambda; DNA polymerase kappa; AV007317; 1110003P06Rik
Gene ID	56626
mRNA Refseq	NM_020032
Protein Refseq	NP_064416
UniProt ID	Q9QXE2

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