

Recombinant Human Polymerase (DNA Directed), Lambda

Cat. No. POLL-621H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Polymerase (DNA Directed), Lambda is produced in <i>E. coli</i> . MW=64kDa.
Species	Human
Source	E.coli
Description	This gene encodes a DNA polymerase. DNA polymerases catalyze DNA-template-directed extension of the 3'-end of a DNA strand. This particular polymerase, which is a member of the X family of DNA polymerases, likely plays a role in non-homologous end joining and other DNA repair processes. Alternatively spliced transcript variants have been described.
Purity	≥98% (SDS-PAGE).
Concentration	0.35mg/ml.
Formulation	Liquid. In 20mM TRIS, pH 7.5, containing 20% (v/v) glycerol, 1mM DTT and 100mM sodium chloride.
Stability	Stable for more than 1 year when stored at -20°C or -80°C. Avoid more than 5 freeze/thaw cycles.

GENE INFORMATION

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Gene Name	POLL polymerase (DNA directed), lambda [Homo sapiens]
Synonyms	POLL; polymerase (DNA directed), lambda; BETAN; FLJ46002; POLKAPPA; DNA polymerase lambda; DNA polymerase kappa; DNA polymerase beta-2; DNA polymerase beta-N; EC 2.7.7.7
Gene ID	27343
mRNA Refseq	NM_001174084
Protein Refseq	NP_001167555
MIM	606343
UniProt ID	Q9UGP5
Chromosome Location	10q23
Pathway	Base excision repair; Non-homologous end-joining
Function	DNA binding; DNA-directed DNA polymerase activity; lyase activity; metal ion binding; nucleotidyltransferase activity; transferase activity

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