

Recombinant Human POLL, His-tagged

Cat. No. POLL-28363TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human DNA Polymerase lambda with a N terminal His tag. Mw: 36kDa.
Species	Human
Source	E.coli
ProteinLength	320 amino acids
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.
Conjugation	HIS
Molecular Weight	36.000kDa
Tissue specificity	Expressed in a number of tissues. Abundant in testis.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	pH: 8.00Constituents:0.02% DTT, 0.32% Tris HCl, 0.58% Sodium chloride, 30% Glycerol
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH TKTAQMWYQQ GFRSLEDIRS QASLTQQAIGLKHYSDFLE RMPREEATEI EQTVQKAAQA FNSGLLCVAC GSYRRGKATCGDVDVLITHP DGRSHRGIFS RLLDSLREQE FLTDDLVSQE ENGQQQKYLGVCR LPPGPRR HRRLDIIVP YSEFACALLY FTGSAHFNRS MRALAKTKGMLMH HQKYLQ RFLGGKREKK QKEACSIPGI GKRMAEKIIE ILESGLRKL DHISESVPVL ELFSNIWGAG SLSEHALSTA VVRNTHGCKV GPGRVLP TPT EKDVFRLLGL PYREPAERDW
Sequence Similarities	Belongs to the DNA polymerase type-X family.Contains 1 BRCT domain.

GENE INFORMATION

Gene Name	POLL polymerase (DNA directed), lambda [Homo sapiens]
Official Symbol	POLL
Synonyms	POLL; polymerase (DNA directed), lambda; DNA polymerase lambda;
Gene ID	27343
mRNA Refseq	NM_001174084
Protein Refseq	NP_001167555

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MIM	606343
Uniprot ID	Q9UGP5
Chromosome Location	10q23
Pathway	BER complex, organism-specific biosystem; BER complex, conserved biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Non-homologous end-joining, organism-specific biosystem;
Function	DNA binding; DNA binding; DNA-directed DNA polymerase activity; DNA-directed DNA polymerase activity; catalytic activity;

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