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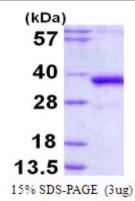
AR50080PU-N Human POLL (1-300, His-tag) - Purified

Alternate names:	BETA-N, DNA polymerase lambda, POL-KAPPA
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	DNA polymerase lambda, also known as POLL, is a DNA polymerase involved in base excision repair (BER). POLL is a low-fidelity polymerase which plays a role in both spontaneous and DNA damage-induced mutagenesis. In addition, POLL may play a role in the mutagenic bypass of T-T dimers. Pol lambda possesses terminal transferase and 5'-deoxyribose-5-phosphate lyase activity. These activities have been found to be coordinated by PCNA and replication protein A.
Uniprot ID:	<u>Q9BTN8</u>
NCBI:	<u>AAH03548</u>
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl
Description:	Recombinant human POLL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MLMHHQKYLQ RFLGGKREKK QKEACSIPGI GKRMAEKIIE ILESGHLRKL DHISESVPVL ELFSNIWGAG TKTAQMWYQQ GFRSLEDIRS QASLTTQQAI GLKHYSDFLE RMPREEATEI EQTVQKAAQA FNSGLLCVAC GSYRRGKATC GDVDVLITHP DGRSHRGIFS RLLDSLRQEG FLTDDLVSQE ENGQQQKYLG VCRLPGPGRR HRRLDIIVVP YSEFACALLY FTGSAHFNRS MRALAKTKGM SLSEHALSTA VVRNTHGCKV GPGRVLPTPT EKDVFRLLGL PYREPAERDW Molecular weight: 36 kDa (320aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	O Wang J., et al. (2001) Cancer Res. 61:5366-5369.Zhang Y., et al. (2000) Nucleic Acids Res. 28:4147-4156.

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