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32-2693: POLL Recombinant Protein

Alternative Name : Polymerase (DNA directed) lambda,Pol beta2,DNA polymerase beta-2,DNA polymerase kappa,BETAN,POLKAPPA,DNA polymerase beta-N,EC 2.7.7.7,EC 4.2.99.

Description

Source : E.coli. POLL Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 320 amino acids (1-300) and having a molecular mass of 36.0 kDa.POLL is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. DNA polymerase POLL is involved in base excision repair (BER). POLL is a low-fidelity polymerase that takes part in both spontaneous and DNA damage-induced mutagenesis. Furthermore, POLL takes part in the mutagenic bypass of T-T dimers. Pol lambda possesses terminal transferase and 5'-deoxyribose-5-phosphate lyase activity which is synchronized by PCNA and replication protein A.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The POLL solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 30% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	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.

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