www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

POLL Human

Description: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.

Catalog #:ENPS-189

For research use only.

Synonyms: 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.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MLMHHQKYLQ RFLGGKREKK QKEACSIPGI GKRMAEKIIE ILESGHLRKL DHISESVPVL ELFSNIWGAG TKTAQMWYQQ GFRSLEDIRS QASLTTQQAI GLKHYSDFLE RMPREEATEI EQTVQKAAQA FNSGLLCVAC GSYRRGKATC GDVDVLITHP DGRSHRGIFS RLLDSLRQEG FLTDDLVSQE ENGQQQKYLG VCRLPGPGRR HR

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The POLL solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 30% glycerol.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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.

To place an order, please Click HERE.