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POLL, 1-300aa, Human, His tag, E.coli

产品货号: TP03456

第三版

别名:DNA polymerase lambda, BETA-N, POL-KAPPA.

描述: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.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl

分子量:36 kDa (320aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMLMHHQKYLQRFLGGKREKKQKEACSIPIGIGKRMAEKIIEILESGLRKLDDHISESVPVLE  
LFSNIWGAGTKTAQMWYQQGFRSLEDIRSQASLTTQQAIGLKHYSDFLERMPREEATEIEQTVQKAAQAFNSGLLCVACG  
SYRRGKATCGDVDLITHPDGRSHRGIFSRLDLSLRQEGFLTDDLVSQEENGQQQKYLGVCRPLPGPGRRHRLDIIVVPYS  
EFACALLYFTGSAHFNRSMRALAKTKGMSLSEHALSTAVVRNTHGCKVGPGRVLPTPTEKDVFRLLGLPYREPAERDW

纯度:> 95% by HPLC

浓度:0.5 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.