

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

POLB, 1-335aa, Human, His tag, E.coli

产品货号: TP03453

第三版

别名:DNA polymerase beta.

描述:DNA polymerase beta, also known as POLB, belongs to the DNA polymerase type-X family. In eukaryotic cells, DNA polymerase beta (POLB) performs base excision repair (BER) required for DNA maintenance, replication, recombination, and drug resistance. POLB has two distinct domains, the larger is the polymerase domain itself, whereas a small basic N-terminal domain contains an AP lyase activity that excises the abasic sugarphosphate residue at the strand break.

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

分子量:40.3 kDa (355aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMSKRKAPQETLNGGITDMLTELANFEKNVSQAIHKYNAYRKAASVIKYPHKIKSGAEA
KKLPGVGTKIAEKIDFLATGKLRKLEKIRQDDTSSSINFLTRVSGIGPSAARKFVDEGIKTLEDLRKNEDKLNHHQRIGLKYF
GDFEKRIPREEMLQMQDIVLNEVKKVDSEYIATVCGSFRRGAESSGMDVLLTHPSFTSESTKQPKLLHQVVEQLQKVHFI
TDTLSKGETKFMGVCQLPSKNDEKEYPHRRIDIRLIPKDQYCYGVLYFTGSDIFNKNMRAHALEKGFTINEYTIRPLGVTGV
AGEPLPVDSEKDIFDYIQWKYREPKDRSE

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.