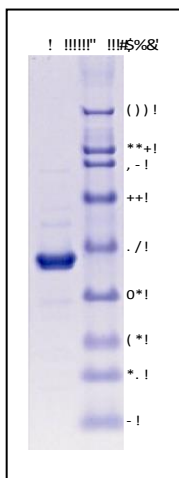


Recombinant DNA Polymerase beta

Catalog Number	Size
AG321-10	10ug
AG321-25	25ug
AG321-B	Bulk

Description



The recombinant DNA polymerase beta (POLB) was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 349 (14+335) amino acids with an 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 40kDa.

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MHHHHHHGRRASVLESKRKAPQETLNGGITDMLTELANFEKNVSQAIHKY
NAYRKAASVIKYPHKIKSGAEAKKLPGVGTAKIAEKIDFLATGKLRKLE
KIRQDDTSSSINFLTRVSGIGPSAARKFVDEGIKTLEDLRKNEDKLNHHQ
RIGLKYFGDFEKRIPREMLQMQDIVLNEVKKVDSEYIATVCGSFRRGAE
SSGDMDVLLTHPSFTSESTKQPKLLHQVVEQLQKVHFITDTLSKGETKFM
GVCQLPSKNDEKEYPHRRIDIRLIPKDQYYCGVLYFTGSDIFNKNMRAHA
LEKGFTINEYTIRPLGVTGVAGEPLPVDSEKDIFDYIQWKYREPKDRSE
```

Accession Number

NM_002690

Molecular Mass

Approximately 170kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

Human DNA polymerase β (POLB) is involved in base excision and repair or called gap-filling DNA synthesis. The recombinant DNA polymerase β protein is suitable for the studies of base excision and repair during DNA synthesis.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (**Avoid repeated freeze-thaw cycle**)

FOR RESEARCH USE ONLY!!!