

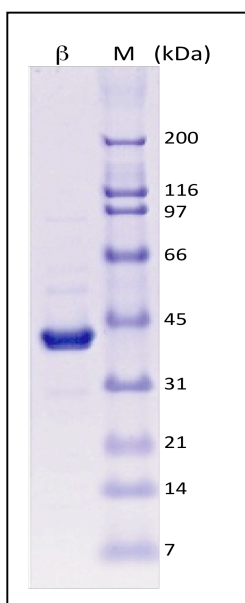
## Recombinant Human DNA Polymerase $\beta$

Catalog Number	Size
AG316-20	20ug
AG316-100	100ug
AG316-B	Bulk

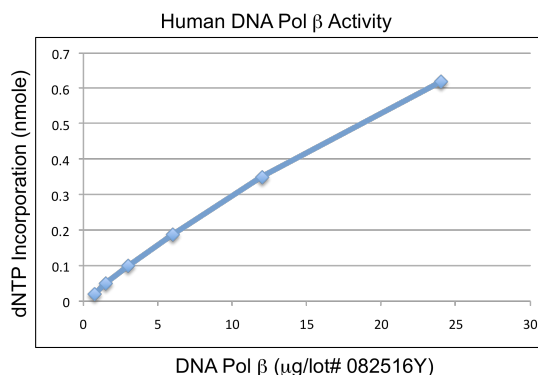
### Specifications and Use

#### Description

Recombinant human DNA polymerase beta was expressed in Sf9 cells and purified by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide of 349 (14+335) amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 40kDa.



MHHHHHGGRRASVLESKRKAPQETLNGGITDMLTELANFEKNVSQAIHKY  
 NAYRKAASVIAKYPHKIKSGAEAKKLPVGVGKIAEKIDFLATGKLRKLE  
 KIRQDDTSSSINFLTRVSGIGPSAARKFVDEGIKTLEDLRKNEDKLNHHQ  
 RIGLYFGDFEKRIPREEMLQMDIVLNEVKKVDSEYIATVCGSFRRGAE  
 SSGDMDVLLTHPSFTSESTKQPKLLHQVVEQLQKVHFITDTLSKGETKFM  
 GVCQLPSKNDEKEYPHRRIDIRLIPKDQYYCGVLYFTGSDIFNKNMRAHA  
 LEKGFITINEYTI RPLGVTGVAGEPLPVDSEKIDFDYIQWKYREPDKRSE



**Accession:** NM\_002690

**Source** Sf9

**Molecular Mass** Approximately 40kD.

**Purity**  $\geq 90\%$ , as determined by SDS-PAGE.

**Biological Activity** Recombinant human DNA polymerase b protein is suitable for the studies of gap-filling DNA synthesis, including base excision and repair.

**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.

**Special Notes** **FOR RESEARCH USE ONLY**

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