

## 32-7137: Recombinant Human DNA Polymerase beta (C-6His)

**Gene :** POLB  
**Gene ID :** 5423  
**Uniprot ID :** P06746

### Description

Source: E.coli.  
MW :39.23kD.

Recombinant Human DNA Polymerase beta is produced by our E.coli expression system and the target gene encoding Ser2-Glu335 is expressed with a 6His tag at the C-terminus. Human DNA polymerase beta is constitutively expressed in cells. It fills in gaps in DNA that are formed following base excision repair. The activity cannot be affected by Aphidicolin, which is an inhibitor of DNA polymerase beta.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, 1mM EDTA, 50% Glycerol, pH 7.8.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MSKRKAPQETLNGGITDMLTELANFEKNVSQAIHKYNAYRKAASVIKYPHKIKSGAEAKKLPVGVGTKIAEKIDF  
LATGKLRKLEKIRQDDTSSSINFLTRVSGIGPSAARKFVDEGIKTLEDLRKNEDKLNHHQRIGLKYFGDFEKRIPR  
EEMLQMQDIVLNEVKKVDSEYIATVCGSFRRGAESSGDMDVLLTHPSFTSESTKQPKLLHQVVEQLQKVHFITD  
TLKGETKFMGVCQLPSKNDEKEYPHRRIDIRLIPKDQYYCGVLYFTGSDIFNKNMRAHALEKGFITINEYTIRPLG  
VTGVAGEPLPVDSEKDIFDYIQWKYREPKDRSEVEHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.