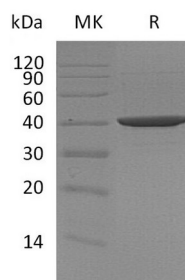


Product Name: Recombinant Human DNA Polymerase Beta (C-6His)
Catalog #: PEH0539

Summary

Name	DNA Polymerase beta
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/ μ g as determined by LAL test.
Construction	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.
Accession #	P06746
Host	E.coli
Species	Human
Predicted Molecular Mass	39.23 KDa
Formulation	Supplied as a 0.2 μ m filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 1mM EDTA, 50% Glycerol, pH 7.8.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at \leq -70°C, stable for 6 months after receipt. Store at \leq -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names DNA Polymerase Beta; POLB

Background Human DNA polymerase β is constitutively expressed in cells. It fills in gaps in DNA that are formed following base excision repair. Repair polymerase that plays a key role in base-excision repair. Has 5-deoxyribose-5-phosphate lyase (dRP lyase)

Product Name: Recombinant Human DNA PolymeraseBeta (C-6115)
Catalog #: PEH0539

activity that removes the 5 sugar phosphate and also acts as a DNA polymerase that adds one nucleotide to the 3 end of the arising single-nucleotide gap. It conducts gap-filling DNA synthesis in a stepwise distributive fashion rather than in a processive fashion as for other DNA polymerases. The activity cannot be affected by Aphidicolin, which is an inhibitor of DNA polymerase β .

Note

For Research Use Only , Not for Diagnostic Use.