

DNA Repair, Replication, Recombination

Human DNA Polymerase ι (RAD30B Protein)

Molecular Mass: 80 kDa

Catalog #	Size	Price
20	5 μ g	\$500

Description

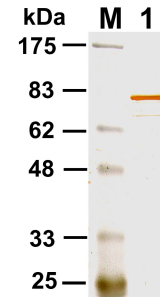
DNA polymerase ι is a member of the Y family DNA polymerases. It is involved in translesion synthesis, either error-free or error-prone, depending on the specific types of DNA lesion. Human Pol ι is unique in that it predominantly incorporates a G opposite the template T during DNA synthesis from undamaged templates.

Reaction Buffer

25 mM potassium phosphate (pH 7.0), 5 mM MgCl₂, 5 mM DTT, 100 μ g/ml BSA, 10% glycerol, 50-100 μ M dNTPs.

Dilution Buffer

25 mM Tris-HCl (pH 7.5), 2.5 mM β -mercaptoethanol, 50% glycerol.



Purified human DNA polymerase ι . The protein (400 ng) was analyzed by electrophoresis on a 10% SDS-polyacrylamide gel and visualized by silver staining. Protein size markers (lane M) are indicated on the left.