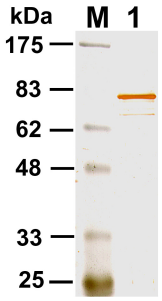
Human DNA Polymerase ι (iota) (RAD30B Protein)

Molecular Mass: 80 kDa

Catalog #	Size	Price
20	5 µg	$500



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.

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 Polι 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 $MgCl_2$, 5 mM DTT, 100 µg/ml BSA, 10% glycerol, 50-100 µM dNTPs.

Dilution Buffer

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