

DNA Repair, Replication, Recombination

Human DNA Polymerase κ (DINB1 Protein)

Molecular Mass: 99 kDa

Catalog #	Size	Price
27	5 μ g	\$500

Description

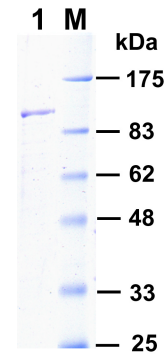
DNA polymerase κ is a member of the Y family DNA polymerases. It is involved in translesion synthesis, either error-free or error-prone, depending on the specific types of DNA lesion. It can also perform extension synthesis from opposite some DNA lesions.

Reaction Buffer

25 mM potassium phosphate (pH 7.0), 5 mM $MgCl_2$, 5 mM DTT, 100 μ g/ml BSA, 10% glycerol, 50-100 μ M dNTPs.

Dilution Buffer

50 mM Tris-HCl (pH 7.5), 5 mM β -mercaptoethanol, 50% glycerol.



Purified human DNA polymerase κ .

The protein (200 ng) was analyzed by electrophoresis on a 10% SDS-polyacrylamide gel and visualized by staining with Coomassie blue. Protein size markers (lane M) are indicated on the right.