

DNA Repair, Replication, Recombination

Human DNA Polymerase μ (mu)

Molecular Mass: 55 kDa

Catalog #	Size	Price
21	5 μ g	\$500

Description

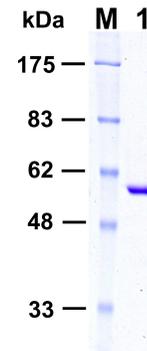
DNA polymerase μ is a member of the X family DNA polymerases. Human Pol μ is unique in that it is highly prone to frameshift DNA synthesis. This polymerase is also capable of translesion synthesis *in vitro*. Pol μ may play a role in non-homologous end joining (NHEJ) for double strand break DNA repair.

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 μ . The protein (450 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 left.