

## DNA Repair, Replication, Recombination

### Human DNA Polymerase $\eta$ (XPV Protein)

Molecular Mass: 78 kDa

**Catalog #**      **Size**  
19                    5  $\mu$ g

#### Description

DNA polymerase  $\eta$  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. Deficiency of Pol $\eta$  in humans leads to the XPV disease.

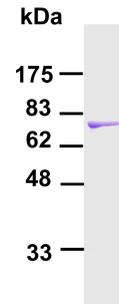
#### Reaction Buffer

25 mM potassium phosphate (pH 7.0), 5 mM MgCl<sub>2</sub>, 5 mM DTT, 100  $\mu$ g/ml BSA, 10% glycerol, 50-100  $\mu$ M dNTPs.

#### Dilution Buffer

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

**Storage:** -80 <sup>0</sup>C freezer



**Purified human DNA polymerase  $\eta$ .** The protein (60 ng) was analyzed by electrophoresis on a 10% SDS-polyacrylamide gel and visualized by staining with Coomassie blue. Protein size markers are indicated on the left.