

Enzymax, LLC

870 Corporate Drive, suite 201
Lexington, KY 40503

Product Information

Product Name: pol epsilon catalytic fragment
Catalog no#: 98
Size: 5 micro g

Order: info@enzymax.net
Tel: 859-219-8482
Fax: 859-219-0653
Web: www.enzymax.net

Product: DNA polymerase ϵ (epsilon)
catalytic domain

Reaction temperature: 37°C

Note: Reaction can be stopped by adding equal volume of 95% formamide.

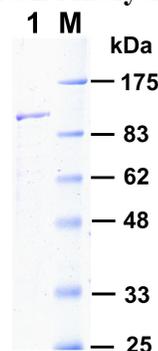
Product description or back ground:

Suggested dilution buffer (not included):

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

DNA polymerase ϵ is a member of B family DNA polymerases. It is involved in DNA repair and chromosomal DNA replication. Mutations in this gene have recently been found associated with colorectal cancer.

SDS-PAGE Analysis:



Source: Recombinant human DNA polymerase ϵ catalytic fragment (wild type, exo-proficient) expressed in *E. coli*.

Molecular Weight: 168 kDa

Presentation:

Purified pol ϵ catalytic fragment in 50 mM Tris-HCl (pH7.5), 500 mM NaCl, and 10% glycerol.

Purified human DNA polymerase ϵ . 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.

Storage:

Stable for 2 years at -70°C from date of shipment. Please aliquot to avoid repeated freezing and thawing.

Suggested reaction buffer (not included):

50 mM Tris-HCl (pH7.4), 8 mM $MgCl_2$, 1 mM DTT, 10% glycerol, 200 μ M dNTPs, 100 nM DNA primer-template, and, 2 nM -10nM pol epsilon.