

Enzymax, LLC

870 Corporate Drive, suite 201
Lexington, KY 40503

Product Information

Product Name: POL Gamma, human
Catalog #: 85
Size: 10 µg
Price: \$250

Order: info@enzymax.net
Tel: 859-219-8482
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Product: Human DNA Polymerase gamma;
Poly; POLG gene product

Product Description:

This is the POLG gene product, the catalytic subunit of DNA polymerase gamma. Pol gamma is the mitochondrial replication and repair DNA polymerase. Defects in the POLG gene are a cause of progressive external ophthalmoplegia with mitochondrial DNA deletions 1 (PEOA1), sensory ataxic neuropathy dysarthria and ophthalmoparesis (SANDO), Alpers-Huttenlocher syndrome (AHS), and mitochondrial neurogastrointestinal encephalopathy syndrome (MNGIE). Pol gamma is also a target of various nucleotide derivatives.

Source: Recombinant full length human DNA polymerase gamma catalytic subunit.

Molecular Weight: 140 kDa

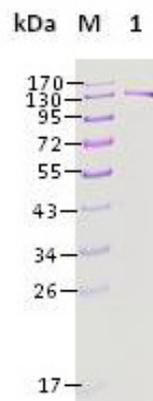
Presentation:

Purified human DNA Poly protein in 20 mM Tris-HCl, (pH7.5), 200 mM NaCl, 1 mM β-mercaptoethanol, and 10% glycerol.

Storage:

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

SDS-PAGE analysis:



Purification for Human Polymerase Gamma

Lane M: Protein Marker

Lane 1: Purified human pol Gamma

Purified human Poly protein. The protein (100 ng) was analyzed by electrophoresis on a 12% SDS-polyacrylamide gel and visualized by staining with Coomassie blue. Protein size markers are indicated on the left.