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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

DNA Polymerase γ

Human, recombinant, N-terminal His-tag,
N-terminal FLAG-tag
Catalog #: 21001
Lot #: 150306 Conc.: 0.09 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 80 μ g/ml FLAG peptide, 0.04% Tween-20, and 20% glycerol.

Stability: >6 months at -80°C. Avoid freeze/thaw cycles.

References:

1. Ropp, P.A., and Copeland, W.C., *Genomics* 1996;**36(3)**:449-458
2. Lestienne, P., *Biochem. Biophys. Res. Comm.* 1987;**146(3)**: 1146-1153

Description:

Human DNA polymerase γ (gamma), also known as Pol gamma and POLG (GenBank Accession No. NM_002693), amino-acids 2-1239 (end), with N-terminal His-tag and N-terminal FLAG-tag, MW=141 kDa, expressed in a baculovirus infected Sf9 cell expression system.

Application:

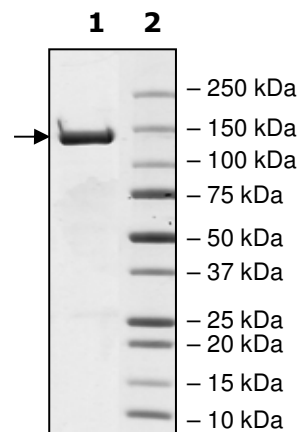
Useful for DNA synthesis and DNA repair, as an antigen for Western blotting, and for inhibitor screening.

Quality Assurance

**4-20% SDS-PAGE
Coomassie staining**

Lane 1:
1.3 μ g POLG
Lane 2:
Protein Marker

Purity: \geq 78%
MW: 141 kDa



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Sequence:

MHHHHHHHDYKDDDDKSRLLWRKVAGATVGGPVPAPGRWVSSVSPASDPSDGQRR
RQQQQQQQQQQQQQQPQQPQVLSSEGGQLRHNPLDIQMLSRGLHEQIFGQGGEMP
GEAAVRRSVEHLQKHGLWGQPAVPLPDVELRLPLYGDNLQHFRLLAQKQSLPYL
EAANLLLQAQLPPKPPAWAWAEGWTRYGPEGEAVPVAIPEERALVFDVEVCLAEGT
CPTLAVAISPSAWYSWCSQRLVEERYSWTSQLSPADLIPLEVPTGASSPTQRDWQEQ
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VQPPTKQGQKSQRKARRGPAISSWDWLDISSVNSLAEVHRLYVGGPPLEKEPRELFV
KGTMKDIRENFQDLMQYCAQDVWATHEVFQQQLPLFLERCPHPVTLAGMLEMGVSY
LPVNQNWERYLAEAQGTYEELQREMKKSLMDLANDACQLLSGERYKEDPWLWDLE
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GGTESEMFNKLESIATSDIPRTPVLGCCISRALEPSAVQEEFMTSRVNWVVQSSAVDY
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TKGSLEKRSQPGP

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