

Datasheet for ABIN1536537

Taq DNA Polymerase without Mg2+

Overview

| | |
|--------------|---------------------------------|
| Quantity: | 1000 U |
| Species: | Thermus aquaticus |
| Application: | Polymerase Chain Reaction (PCR) |

Product Details

| | |
|------------------|---|
| Characteristics: | Taq DNA Polymerase is a thermostable DNA polymerase isolated from an E. coli strain that carries the Taq DNA polymerase gene. Taq DNA polymerase is the most common polymerase used for PCR . |
|------------------|---|

Application Details

| | |
|--------------------|---|
| Application Notes: | The applications of Taq DNA Polymerase include the following: PCR* 3' A-tailing of blunt ends Primer extension DNA sequencing. |
| Comment: | Terminal transferase activity: Taq DNA Polymerase has terminal transferase activity, which results in the addition of a single nucleotide (adenosine) at the 3' end of the extension product. High purity: No contamination activity has been detected in standard test reactions. Unit Definition: One unit is the amount of enzyme that can incorporate 10 nmol of dNTP into acid-insoluble material in 30 minutes at 74°C. |
| Restrictions: | For Research Use only |

Handling

| | |
|------------------|---|
| Buffer: | 500 mM KCl, 100 mM Tris HCl (pH 9.0 at 25°C), 1% Triton X-100 Buffer. This buffer is optimized for use with 200 µM dNTPs. Note: If the reaction is performed without this buffer, then add 0.1% Triton X-100 (final concentration) to ensure high activity. |
| Storage: | -20 °C |
| Storage Comment: | Store the product at -20°C. The enzyme can be shipped at room temperature or stored at 37°C |

Order at www.genomics-online.com

USA & Canada: +1 877 302 8632 | support@antibodies-online.com

Page 1/2 | Product datasheet for ABIN1536537 | 09/13/2023 | Copyright antibodies-online. All rights reserved.

Handling

for seven days without any significant loss of activity.

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)