

Datasheet for ABIN2952618

DNA Polymerase (6 kb/min) Enzyme

Overview

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| Quantity: | 500 U |
| Species: | Thermus aquaticus |
| Application: | Polymerase Chain Reaction (PCR) |

Product Details

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| Purpose: | The enzyme consists of a single polypeptide with a molecular weight of approximately 94 kDa. |
| Specificity: | Functional absence of double and single stranded endonuclease activity. |
| Characteristics: | The enzyme consists of a single polypeptide with a molecular weight of approximately 94 kDa. Taq DNA Polymerase has 5'-3' DNA polymerase activity and 5'-3' exonuclease activity. It lacks 3'-5' exonuclease activity. The extension rate is about 6 kb/min. |
| Purity: | > 99 % ,homogeneous measured SDS-PAGE |

Application Details

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|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | 20 mM Tris-HCl (pH 8.0), 0.1 mM EDTA, 1 mM DTT, 100 mM KCl, 50 % glycerol, stabilizers. |
| Preservative: | Dithiothreitol (DTT) |
| Precaution of Use: | This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Stable for 12 months from date of receipt. |

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Publications

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