

## Datasheet for ABIN5519433 EasyTaq® DNA Polymerase

1 [Image](#)

### Overview

Quantity:	500 units
Application:	Polymerase Chain Reaction (PCR)

### Product Details

Purpose:	EasyTaq® DNA Polymerase is purified from E. coli expressing a cloned DNA polymerase from <i>Thermus aquaticus</i> .
Brand:	EasyTaq®
Specificity:	The enzyme consists of a single polypeptide with a molecular weight of approximately 94 kDa. EasyTaq® DNA Polymerase has 5'-3' DNA polymerase activity and 5'-3' exonuclease activity. It lacks 3'-5' exonuclease activity. EasyTaq® DNA Polymerase is suitable for routine amplification. PCR products are unsuitable for PAGE.
Characteristics:	<ul style="list-style-type: none"> <li>- Extension rate is about 1-2 kb/min.</li> <li>- Template-independent "A" can be generated at the 3' end of the PCR product. PCR products can be directly cloned into pEASY®-T vectors.</li> <li>- Amplification of genomic DNA fragment up to 4 kb.</li> </ul>
Components:	DNA Polymerase, 10X Taq Buffer, 6X DNA Loading Buffer
Unit Definition:	One unit of EasyTaq® DNA Polymerase incorporates 10 nmol of deoxyribonucleotide into acid-precipitable material in 30 minutes at 74°C.

### Application Details

Application Notes:	Routine PCR, Colony PCR
Comment:	EasyTaq® DNA Polymerase has passed the following quality control assays: functional absence of double- and single-strand endonuclease activity, >99% homogeneous measured by

Order at [www.genomics-online.com](http://www.genomics-online.com)

USA & Canada: +1 877 302 8632 | [support@antibodies-online.com](mailto:support@antibodies-online.com)

Page 1/2 | Product datasheet for ABIN5519433 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

Application Details

	SDS-PAGE. Each batch of EasyTaq® DNA Polymerase has been assayed for amplification efficiency to amplify p53 gene from 10 ng of human genomic DNA.
Restrictions:	For Research Use only

Handling

Buffer:	Storage Buffer: 20 mM Tris-HCl ( pH 8.0), 0.1 mM EDTA, 1 mM DTT, 100 mM KCl, 50 % glycerol, stabilizers.  10xEasyTaq® Buffer (with Mg2+): 200 mM Tris-HCl ( pH 8.3), 200 mM KCl, 100 mM (NH4)2SO4, 20 mM MgSO4, others.
Storage:	-20 °C
Storage Comment:	at -20°C for two years
Expiry Date:	24 months

Publications

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

Images

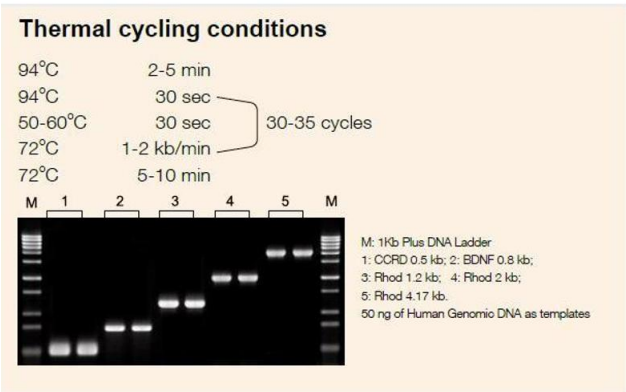


Image 1.