



Certificate of Analysis

PRODUCT: *TransTaq*[®] DNA Polymerase High Fidelity (HiFi)

CAT. NO.

AP131

AMOUNT

2*250 units

LOT NUMBER

O11227

SHELF LIFE

Two years

STORAGE CONDITIONS

Store at -20 °C

SHIPPING CONDITIONS

Dry ice (-70 °C)

DESCRIPTION

TransTaq[®] DNA Polymerase High Fidelity (*TransTaq*[®] HiFi DNA Polymerase) contains *TransTaq*[®]-T DNA Polymerase and a proofreading 3'-5' exonuclease. *TransTaq*[®] HiFi DNA Polymerase provides higher specificity and higher amplification efficiency than *TransTaq*[®]-T DNA Polymerase. Two different buffers are provided in the kit. *TransTaq*[®] HiFi Buffer I is optimized for the amplification of genomic DNA and *TransTaq*[®] HiFi Buffer II is optimized for the amplification of λDNA, cDNA or plasmid DNA.

- *TransTaq*[®] HiFi DNA Polymerase offers 18-fold fidelity as compared to *EasyTaq*[®] DNA Polymerase.
- Extension rate is about 1-2 kb/min.
- Template-independent “A” can be generated at the 3' end of the PCR product. PCR products can be directly cloned into *pEASY*[®]-T vectors.
- Amplification of genomic DNA fragment up to 15 kb.

PACKAGE CONTENTS

Component	AP131-01/11	AP131-02/12	AP131-03/13
<i>TransTaq</i> [®] HiFi DNA Polymerase	250 U×1	500 U×1	500 U×6
10× <i>TransTaq</i> [®] HiFi Buffer I	1.2 ml ×1	1.2 ml ×1	1.2 ml ×6
10× <i>TransTaq</i> [®] HiFi Buffer II	1.2 ml ×1	1.2 ml ×1	1.2 ml ×6
2.5 mM dNTP	-/400 μl×1	-/800 μl×1	-/800 μl×6
10×GC Enhancer	200 μl×1	400 μl×1	1 ml ×1
6×DNA Loading Buffer	500 μl×1	1 ml ×1	1 ml ×2

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QUALITY CONTROL DATA

Assay	Standard	Result
PCR	1. Genome, cDNA, and plasmids can be effectively amplified. 2. The PCR results of products from this batch are consistent or similar compared with products from the control batch.	Meets standards



Notice to Purchaser

All products are for research use only. Caution: Not intended for human or animal diagnostic or therapeutic uses. If you have any further questions about this Certificate of Analysis, please contact us at +86-10-57815027 or +86-400-898-0321.

TransGen Biotech products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of TransGen Biotech Co., Ltd.

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A handwritten signature in black ink that reads "Heng Zheng".

Manager, Quality Control Department

29/12/2020