



Certificate of Analysis

PRODUCT: *TransStart*[®] *FastPfu* DNA Polymerase

CAT. NO.
AP221

AMOUNT
2*250 units

LOT NUMBER
P20728

SHELF LIFE
Two years

STORAGE CONDITIONS
Store at -20 °C

SHIPPING CONDITIONS
Dry ice (-70 °C)

DESCRIPTION

TransStart[®] *FastPfu* DNA Polymerase is a fast, high fidelity and high processivity hot start DNA polymerase.

- Extension rate is about 2-4 kb/min.
- *TransStart*[®] *FastPfu* DNA Polymerase offers 54-fold fidelity as compared to *EasyTaq*[®] DNA Polymerase.
- PCR products can be directly cloned into pEASY[®]-Blunt vectors.
- Amplification of genomic DNA fragment up to 15 kb.
- Amplification of plasmid DNA fragment up to 20 kb.

PACKAGE CONTENTS

Component	AP221-01/11	AP221-02/12	AP221-03/13
<i>TransStart</i> [®] <i>FastPfu</i> DNA Polymerase	250 U×1	500 U×1	500 U×6
5× <i>TransStart</i> [®] <i>FastPfu</i> Buffer	1.2 ml ×1	1.2 ml ×2	1.2 ml ×12
2.5 mM dNTPs	- / 500 µl×1	- / 1 ml ×1	- / 1 ml ×6
50 mM MgSO ₄	200 µl×1	400 µl ×1	1 ml ×1
PCR Stimulant	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

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