

# Certificate of Analysis

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**PRODUCT:** *TransStart® TopTaq* DNA Polymerase

**CAT. NO.**  
AP151

**AMOUNT**  
2 bags

**LOT NUMBER**  
P21110

**SHELF LIFE**  
at -20 °C for 2 years

**STORAGE CONDITIONS**  
at -20 °C for two years

**SHIPPING CONDITIONS**  
Dry ice (-70 °C)

## DESCRIPTION

*TransStart®* TopTaq DNA Polymerase is an engineered version of Taq DNA Polymerase combined with *TransStart®* technique. One binding protein binds to double-strand DNA template, preventing polymerase activity at room temperature. Other two binding proteins bind primers, preventing primer-dimer formation. Blocking proteins are released from primers and templates during the initial denaturation. This double blocking method has higher efficiency than antibody based, or chemically modified hot start PCR.

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## QUALITY CONTROL DATA

Assay	Standard	Result
PCR	<p>①Using genome, cDNA, and plasmid as templates, all quality-checked genes can be effectively amplified;</p> <p>②The PCR results of this batch are consistent or similar to the batch of control.</p>	Meets standards



# Notice to Purchaser

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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

23/12/2021