

# Certificate of Analysis

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**PRODUCT:** *PerfectStart*<sup>®</sup> IIProbe qPCR SuperMix UDG

**CAT. NO.**  
AQ712

**AMOUNT**  
3 boxes

**LOT NUMBER**  
Q60505

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

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

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

## DESCRIPTION

*PerfectStart*<sup>™</sup> II Probe qPCR SuperMix is a ready-to-use qPCR cocktail containing all components, except probe, primer and template. It contains *PerfectStart*<sup>™</sup> Taq DNA Polymerase (*PerfectStart*<sup>™</sup> Taq DNA polymerase is a hot-start Taq DNA polymerase containing Taq DNA polymerase and three kinds of monoclonal antibodies, effectively blocking DNA polymerase activity and preventing non-specific amplification at low temperature), specially optimized dual-cation buffer, dNTPs, PCR enhancer and stabilizer. qPCR SuperMix is provided at 2×concentration and can be used at 1×concentration by adding template, primer, probe, passive reference dye (optional) and Nuclease-free Water. dUTP/UDG is included in the kit to degrade dU-containing ssDNA and dsDNA, which can prevent cross contamination.

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## QUALITY CONTROL DATA

Assay	Standard	Result
Amplification Capacity	<p>Compared with the control batch, this batch of products,</p> <ol style="list-style-type: none"><li>1. Each quality inspection gene can be effectively amplified;</li><li>2. The amplification curve of qPCR is smooth, with good repeatability and reliable amplification data;</li><li>3. The Ct value is less than or close to the control batch.</li></ol>	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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