

2×*TransTaq*[®] High Fidelity (HiFi) PCR SuperMix I、II

Please read the manual carefully before use

Cat. No. AS131

Storage: -18°C or below for two years

Description

This product is a ready-to-use mixture of *TransTaq*[®] High Fidelity (HiFi) DNA polymerase with hot start, dNTPs and optimized buffer. The SuperMix is provided at 2× concentration and can be used at 1× concentration by adding template, primers and H₂O. Template-independent “A” can be generated at the 3' end of the PCR product. PCR products can be directly cloned into *pEASY*[®]-T series vectors.

- Reduced reaction setup time.
- Minimized contamination caused by multi-step operation.
- *TransTaq*[®] High Fidelity (HiFi) PCR SuperMix offers 18-fold fidelity as compared to *EasyTaq*[®] DNA Polymerase.

Features

High amplification efficiency and good stability.

Applications

- GC/AT-rich templates, complex templates and long PCR.
- *TransTaq*[®] HiFi PCR SuperMix I is optimized for the amplification of genomic DNA (≤ 15 kb).
- *TransTaq*[®] HiFi PCR SuperMix II is optimized for the amplification of λDNA, cDNA or plasmid DNA.

Kit Contents

Component	AS131-01/21	AS131-02/22
2× <i>TransTaq</i> [®] HiFi PCR SuperMix (Mix I)/(Mix II)	1 ml	5×1 ml
Nuclease-free Water	1 ml	5 ml

Recommended PCR System and Conditions (taking 50 µl reaction system as an example)

Component	Volume	Final Concentration
Template	Variable	as required
Forward Primer (10 µM)	1 µl	0.2 µM
Reverse Primer (10 µM)	1 µl	0.2 µM
2× <i>TransTaq</i> [®] HiFi PCR SuperMix	25 µl	1×
Nuclease-free Water	Variable	-
Total volume	50 µl	-

PCR

94°C	2-5 min	} 30-35 cycles
94°C	30 sec	
50-60°C	30 sec	
72°C	1-2 kb/min	
72°C	5-10 min	

Note

Completely thaw the contents in the tube and mix well before use.

For research use only, not for clinical diagnosis.

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