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

Cat. No. AS131

Storage: -20°C for two years

Description

TransTaq® High Fidelity (HiFi) PCR SuperMix I or II is a ready-to-use mixture of *TransTaq*® High Fidelity (HiFi) DNA polymerase, dNTPs and optimized buffer. *TransTaq*® High Fidelity (HiFi) PCR SuperMix I is optimized for the amplification of genomic DNA and PCR SuperMix II is optimized for the amplification of λDNA, cDNA or plasmid DNA. The SuperMix is provided at 2× concentration and can be used at 1× concentration by adding template, primers and H_2O.

- *TransTaq*®High Fidelity (HiFi) PCR SuperMix 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.

Applications

- Complex templates
- GC/AT-rich templates
- Long PCR
- High yield PCR

Kit Contents

Component	AS131-01/21	AS131-02/22
2×*TransTaq*® HiFi PCR SuperMix (Mix I)/(Mix II)	1 ml	5×1 ml
ddH_2O	1 ml	5 ml

Reaction Components

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×*TransTaq*® HiFi PCR SuperMix	25 μl	1×
ddH_2O	Variable	-
Total volume	50 μl	-

Thermal cycling conditions

94°C	2-5 min	
94°C	30 sec	30-35 cycles
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