

# P Fast-Pfu 2X PCR SuperMix



Cat. No. ABTGMBS03

Storage: at -20°C for two years

## Description

P Fast-Pfu 2X PCR SuperMix is a ready-to-use mixture of P Fast-Pfu Taq DNA Polymerase, dNTPs and optimized buffer. The SuperMix is provided at 2X concentration and can be used at 1X concentration by adding template, primers and H<sub>2</sub>O.

- Fidelity is 54 times higher than P Page DNA Polymerase.
- The extension rate is about 4 kb/min.
- PCR products can be directly cloned into AllBio Blunt vectors.
- Amplification of genomic DNA fragment up to 15 kb.
- Amplification of plasmid DNA fragment up to 20 kb.

## Application

- High fidelity PCR
- Blunt end cloning
- Site-directed mutagenesis

## Kit Contents

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
P Easy-Pfu 2X PCR SuperMix	25 µl	1X
ddH <sub>2</sub> O	Variable	-
Total volume	50 µl	-

## Thermal cycling conditions

94°C	2-5 min	} 30-35 cycles
94°C	30 sec	
50-60°C	30 sec	
72°C	2-4 kb/min	
72°C	5-10 min	

## Note

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