

2×GPV8 HF Polymerase Master

Product specification

Product name	Catalog Number	Specification
2×GPV8 HF DNA Polymerase Master	PE06001	1mL
2×GPV8 HF DNA Polymerase Master	PE06003	3mL
2×GPV8 HF DNA Polymerase Master	PE06005	5mL

Product introduction

Any other DNA polymerase can not match the performance of GPV8 HF DNA Polymerase. GPV8 HF DNA Polymerase mismatch ratio 50 times lower than Taq DNA polymerase, 6 times lower than Pfu, is the best fidelity thermal stability polymerase, which makes it the first choice for cloning or other high-fidelity experiments. For researchers, this means convenience and credibility. In addition, compared to other enzymes, GPV8 super-fidelity DNA polymerase can be more produced by fewer enzymes. The 2×GPV8 HF Polymerase Master produced by GeneUniversal Inc. is a kind of new products, the product contains plenty of GPV8 HF DNA Polymerase, dNTPs Mixture, Polymerase reaction composition, enzyme protection components. When used, only the PCR amplification template and corresponding primers are need to be added, and then use ddH₂O to fill the reaction system, which greatly reduces the operation time and brings convenience to the research.

Advantages

- High fidelity (mismatch rate in the GPV8 HF buffer is 4.4×10^{-7})
- Short extension time (approx. 15s/kb)
- Powerful, with minimal optimization
- Less enzyme, higher yield
- Shortened operating time

Using references

PCR 50μL system:

Reactant	Sample volume
2×GPV8 HF Polymerase Master	25μL
Primer (10pmol/μL)	1μL
H ₂ O	22μL
Template	1μL

Suggested PCR program settings

Temperature		Time
96°C		5~10min
96°C	18~30cycles	30s
45~65°C		About 30s
72°C		15s/kb
72°C		5~10min
4~12°C		∞

Notes:

1. To achieve a better PCR amplification effect, please ensure the DNA content of the template.

2. EDTA and other metal ion chelators have inhibitory effect on the amplification reaction of the enzyme, and it is necessary to ensure that no such chelating agent is included in the reaction system.

3. This product is limited to the scientific research of professional personnel and shall not be used for clinical diagnosis or treatment, and shall not be used for food or medicine.

For your safety and health, please wear lab clothes and wear disposable gloves.

GeneUniversal Inc.