

GPV8 HF DNA Polymerase

Product specification

Product Name	Catalog Number	Specification
GPV8 HF DNA Polymerase	PM06100	1U/ μ L, 100U
GPV8 HF DNA Polymerase	PM06200	1U/ μ L, 200U
GPV8 HF DNA Polymerase	PM06500	1U/ μ L, 500U

Product introduction

GPV8 High Fidelity DNA Polymerase established a new standard for highfidelity PCR. 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.

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

Using references

PCR 50 μ L system:

Reactant	Sample volume
GPV8 High Fidelity DNA Polymerase	1 μ L
10 \times HF Buffer	5 μ L
Primer (10pmol/ μ L)	1 μ L
dNTP (10mM)	1 μ L
H ₂ O	40 μ L
Template	1 μ L

Suggested PCR program settings

Temperature		Time
96 $^{\circ}$ C		5~10min
96 $^{\circ}$ C	18~30cycles	30s
45~65 $^{\circ}$ C		About 30s
72 $^{\circ}$ C		15s/kb
72 $^{\circ}$ C		5~10min
4~12 $^{\circ}$ 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.