

## Product Datasheet

### Vazyme - 2 × Taq Plus Master Mi (P211-03)

#### Description

2 × Taq Plus Master Mix contains Taq Plus DNA Polymerase, dNTPs, and an optimized buffer system, which is suitable for high-yield PCR. Compared with Taq DNA Polymerase, it has higher fidelity, stronger amplification performance and higher yield. This product can efficiently amplify up to 10 kb genomic DNA fragments, 15 kb plasmid DNA fragments and 15 kb λDNA fragments. The 2 × Master Mix only needs to add primers and templates to perform amplification reaction, thereby reducing pipetting operations and improving detection throughput and reproducibility of results. The system contains protective agents that keep 2 × Master Mix stable in activity after repeated freezing and thawing. This product is available in a version containing loading buffer, so PCR products can be directly loaded for electrophoresis after the reaction, which is convenient to use. The PCR product has an adenine at the 3' end that can be cloned into the T vector. It is also compatible with ClonExpress and TOPO cloning kits (Biorbyt #C112/C113/C116/C603).

#### Storage

Store at -30 ~ -15°C and transport at ≤0°C.

#### Note

For research use only

#### Application notes

Good performance: ~6X higher than Taq DNA Polymerase; higher amplification yield  
Convenient operation: Ready-to-use mix; pre-mixed formulation saves time and reduces contamination  
Additional features: 3'→5' exonuclease activity  
Good Stability: Stable performance after 50 freeze-thaw cycles

#### Expiration Date

12 months from date of receipt.



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