

## Product Datasheet

# Vazyme - Phanta SE Super-Fidelity DNA Polymerase (P521-d3)

**Catalog Number** P521-d3

**Description** Phanta SE Super-Fidelity DNA Polymerase is characterized by high fidelity (mismatch rate is 1/106 of Conventional Taq enzyme) and rapid amplification (5 sec/kb of extension time) through directed evolution of Phanta DNA Polymerase. With the application of the latest hot-start technology and the addition of specific factors, its amplification specificity and success rate are significantly improved. Amplification products are blunt-ended, which are compatible with ClonExpress Ultra One Step Cloning Kit V2 (Vazyme #C116) and Ultra-Universal TOPO Cloning Kit (Vazyme #C603).

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

**Note** For research use only

**Application notes** Flash amplification: Amplification of fragments within 10 kb can be completed in 1 hour High fidelity: ~106X higher than Taq DNA Polymerase Broad compatibility: Suitable for crude templates, high GC/AT templates (overall GC 24%-79%, local GC 22%-88%) and methylated templates Convenient operation: Only "standalone enzyme + buffer", makes sample addition easier

**Expiration Date** 12 months from date of receipt.



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