

Product Datasheet

Vazyme - Taq HS DNA Polymerase (P132-d1)

Description

Taq HS DNA polymerase is a hot-start Taq polymerase obtained by mixing Champagne Taq antibody with Taq DNA polymerase in an optimal ratio. Due to the unique thermo stability of Champagne Taq antibody, the activity of Taq HS DNA polymerase is still blocked at temperature up to 55°C, which minimizes non-specific amplification during the mixing and system heating. When the reaction is kept at 95°C for more than 30 sec, Champagne Taq antibody is completely inactivated and Taq enzyme activity is completely released, ensuring that the PCR system has extremely high amplification sensitivity and specificity. The activation of Taq HS DNA polymerase is not affected by pH, ionic strength, etc. It is applicable for various hot-start PCR and qPCR based on Taq DNA polymerase and can be used to amplify gene with low copy numbers from complex templates (genome and cDNA). It is the hot-start Taq enzyme of choice for PCR/qPCR molecular diagnostic reagents. Taq HS DNA polymerase has higher stability and detection rate.

Storage

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

Note

For research use only

Application notes

Hot-start technology: Superior specificity and sensitivity; convenient room-temperature reaction setup Good Stability: Stable performance after 30 freeze-thaw cycles or store at 4°C for 4 weeks Robust performance: Higher yield of target amplicons from low template amounts/complex templates

Expiration Date

12 months from date of receipt.



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