Datasheet for ABIN5519422

EasyPfu DNA Polymerase

1 Image

Overview

Quantity:	250 units
Application:	Polymerase Chain Reaction (PCR)

Product Details

Purpose:	EasyPfu DNA Polymerase is an engineered version of Pfu DNA Polymerase with enhanced yield and higher fidelity.
Brand:	EasyPfu
Specificity:	EasyPfu DNAPolymerase possesses a proofreading 3'-5' exonuclease activity.
Characteristics:	- EasyPfu DNA Polymerase offers 18-fold fidelity as compared to EasyTaq® DNA Polymerase. - Extension rate is about 0.5 kb/min. - PCR products can be directly cloned into pEASY®-Blunt vectors. - Amplification of genomic DNA fragment up to 6 kb. - Amplification of plasmid DNA fragment up to 10 kb.
Components:	DNA Polymerase, 10X Taq Buffer, 6X DNA Loading Buffer, 50 mM MgSO4
Unit Definition:	One unit of EasyPfu DNA Polymerase incorporates 10 nmol of deoxyribonucleotide into acid-precipitable material in 30 minutes at 74°C.

Application Details

Application Notes:	High fidelity PCR, Blunt-end cloning, Site-directed mutagenesis
Comment:	EasyPfu DNA Polymerase has passed the following quality control assays: functional absence of double- and single-strand endonuclease activity, >99% homogeneous measured by SDS-PAGE. Each batch of EasyPfu DNA Polymerase has been assayed for amplification efficiency to amplify p53 gene from 10 ng of human genomic DNA.

Application Details

Restrictions:	For Research Use only

Handling

Buffer:	Storage Buffer:50 mM Tris-HCl (pH 8.0), 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 50 % (v/v) glycerol stabilizers 10xEasyPfu Buffer with 20 mM MgSO4: 200 mM Tris-HCl (pH 8.8), 100 mM (NH4)2SO4, 100 mM KCl, 20 mM MgSO4, others
Storage:	-20 °C
Storage Comment:	at -20°C for two years
Expiry Date:	24 months

Publications

Product cited in:	Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)

Images

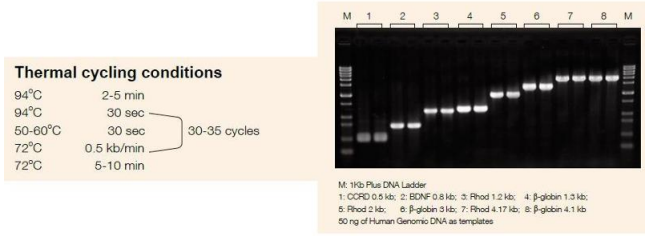

Image 1.