Datasheet for ABIN5519548

TransStart® KD Plus DNA Polymerase (with 2.5 mM dNTPs)

Overview

Quantity:	100 units
Application:	Polymerase Chain Reaction (PCR)

Product Details

Purpose:	TransStart® KD Plus DNA Polymerase is a genetically modified high fidelity DNA polymerase.
Brand:	TransStart®
Specificity:	This enzyme provides higher amplification capability than traditional Pfu DNA polymerase and fast amplification speed equal to Taq DNA polymerase (1 kb/min). Due to strong 3'-5' exonuclease activity, this enzyme offers 108-fold fidelity as compared to EasyTaq® DNA Polymerase.
Characteristics:	- PCR products can be directly cloned into pEASY®-Blunt vectors. - Amplification of genomic DNA fragment up to 15 kb. - Amplification of plasmid DNA fragment up to 20 kb.
Components:	DNA Polymerase, 5X Buffer, 2.5 mM dNTPs, 6X DNA Loading Buffer, 50 mM MgSO4

Application Details

Application Notes:	Fast, high specificity amplification, High fidelity, high yield amplification
Restrictions:	For Research Use only

Handling

Buffer:	Storage Buffer: 50 mM Tris-Cl (pH 8.0),50 mM KCl,1 mM DTT,0.1 mM EDTA,Stabilizers,50 % glycerol. 5xTransStart® KD Plus Buffer with 20 mM MgSO4: 100 mM Tris-Cl (pH 9.2),50 mM (NH4)2SO4,200 mM KCl,5 mM MgSO4,10 % glycerol, other.
Storage:	-20 °C

Handling

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)