

onTaq DNA Polymerase ^{HOT START}



EUR[®]_X MOLECULAR
BIOLOGY
PRODUCTS

experiments with quality

onTaq DNA Polymerase ^{HOT START}

Cat. No. E2713 / EK2713

onTaq DNA Polymerase is a chemically modified recombinant enzyme. onTaq DNA Polymerase provides very tight inhibition of the polymerase activity at moderate temperatures allowing room temperature reaction setup. The polymerase activity is restored during 5-minute initial denaturation step.

Use of the onTaq DNA Polymerase allows for the increase of PCR specificity, sensitivity and yield in comparison to the conventional PCR assembly method.

Both increased specificity and reduced mispriming improve multiplex PCR.

Fig.1 PCR amplification using EURx onTaq DNA Polymerase. 2 kb amplicon of the human β -globin gene was amplified using EURx onTaq DNA Polymerase, 10 x Pol Buffer B and 0.2 mM dNTPs in 50 μ l reaction volume.

Lane 1: molecular size marker Perfect Plus 1 kb DNA Ladder (E3113).

Lane 2: PCR amplification reactions using 1.25 U Taq DNA Polymerase. Reactions were incubated 30 min at 25°C before PCR.

Lanes 3, 4: PCR amplification reactions using 1.25 U onTaq DNA Polymerase. Reactions were incubated 30 min at 25°C before PCR.

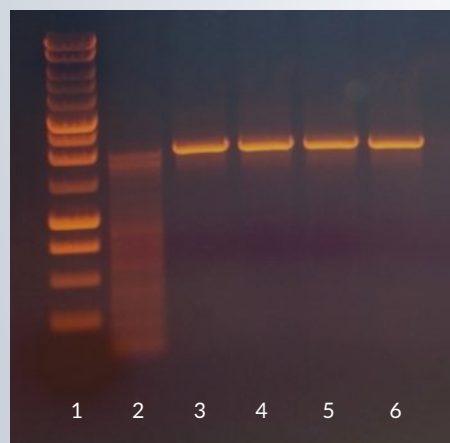


Fig.2 PCR amplification using EURx onTaq DNA Polymerase. 2 kb amplicon of the human β -globin gene was amplified using EURx onTaq DNA Polymerase in 50 μ l reaction volume.

Lane 1: molecular size marker Perfect Plus 1 kb DNA Ladder (E3113).

Lane 2: PCR amplification reaction using 1.25 U Taq DNA Polymerase. Reaction was incubated 30 min at 25°C before PCR.

Lanes 3, 4: PCR amplification reactions using 1.25 U onTaq DNA Polymerase stored 3 months at -20°C. Reactions were incubated 30 min at 25°C before PCR.

Lanes 5, 6: PCR amplification reactions using 1.25 U onTaq DNA Polymerase stored 3 months at 4°C. Reactions were incubated 30 min at 25°C before PCR.