

Uracil-DNA Glycosylase (UNG), E.coli

Catlog Number: IEC-HMM-0041

• Basic Information

Source: Recombinant E.coli

Purity: ≥95%

Buffer: 20 mM Tris-HCl (pH8.0), 0.1 mM EDTA, 100 mM KCl, 1 mM DTT, 0.5% (v/v) Tween-20, 0.5% (v/v) NP-40, 50% (v/v) glycerol

Instructions: 1. Uracil-DNA Glycosylase (UNG), E. coli exhibits 100% enzyme activity between 37°C and 50°C; recommended reaction time: 15-30 minutes;
2. Uracil-DNA Glycosylase (UNG), E. coli is inactivated at 95°C for 10 minutes;
3. It is recommended to add 0.1-5 U of Uracil-DNA Glycosylase (UNG), E. coli to a 50 µL PCR reaction mixture.

• Applications

Uracil-DNA glycosylase specifically recognizes uracil residues in single- or double-stranded DNA and hydrolyzes them to release free uracil from DNA. It has no activity on RNA. This enzyme is primarily used to prevent contamination of PCR amplification products.

• Specification

1 U/µL

• Storage & Transportation

-20°C

