



Ver. HB221103

Uracil DNA Glycosylase (UDG/UNG), heat-labile, 1 U/ μ L

Product description

Heat-Labile UDG (uracil DNA glycosylase) catalyzes the release of free uracil from uracil-containing DNA by hydrolyzing the N-glycoside bond between uracil bases and sugar phosphate skeletons. Compared with conventional UDG enzyme, heat-Labile UDG can avoid the degradation of dU-containing amplification products caused by residual activity of the inactivated UDG at room temperature. Heat-Labile UDG (uracil DNA glycosylase) works at room temperature and is thermolabile and easy to be inactivated.

Components

Components No.	Name	10303ES60 (100 U)	10303ES76 (500 U)	10303ES96 (10,000 U)	10303ES97 (100 mL)	10303ES98 (500 mL)
10303	Uracil DNA Glycosylase (UDG/UNG), heat-labile	100 μ L	500 μ L	10 mL	100 mL	500 mL

Specifications

Enzyme	Glycosylase
Compatible Buffer	Storage Buffer
Heat Inactivation	50°C, 10 min
Unit Definition	One unit (U) is defined as the amount of enzyme that required to catalyze the hydrolysis of 1 μ g dU-containing dsDNA in 30 minutes at 25°C.

Shipping and Storage

The product is shipped with dry ice and can be stored at -15°C ~ -25°C for 2 years.

Notes

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. Heat-Labile UDG is active in most PCR reaction buffers.