Ver. 2302-02

HelixZyme™ Heat Labile UDG

Kit Contents

HelixZyme™ Heat Labile UDG		
	HLU200 (200units)	**HLU500** (500units)
Heat Labile UDG (1unit/μl)	0.2ml	0.5ml
Instructions for Use	1ea	1ea

Description

Heat Labile UDG is a recombinant Uracil DNA glycosylase from marine bacterium BMTU 3346. UDG catalyzes the hydrolysis of the N-glycosidic bond between the uracil and sugar, leaving an apyrimidinic site in uracil-containing single or double-stranded DNA. Heat Labile UDG is fully active in the temperature range of 15 to 25℃ and inactivated at over 50℃. Due to this character, this enzyme is ideal for applying on the one-step RT-PCR system to remove the contaminated uracil-containing DNA in the reaction.

- Removing uracil-containing DNA
- Heat-labile, inactivated at over 50°C
- Ideal enzyme for conventional and real-time RT-PCR with dUTP

Application

Prevention of carryover contamination in RT-PCR

Storage buffer :

20mM Tris-HCl (pH9.0), 100mM KCl, 0.1mM EDTA, 1mM DTT, stabilizers, 50% Glycerol

Quality control

By NanoHelix's ISO 13485-certified Quality Management System, each lot of **HelixZyme™ Heat Labile UDG** was tested against predetermined specifications to ensure consistent product quality.

NanoHelix Co., Ltd.

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Heat Labile UDG

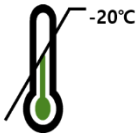
Specification

Enzyme activities

Hydrolyzes uracil-glycosidic bonds in single- and double-stranded DNA

Heat inactivation

+50°C for 2 minutes are sufficient for inactivation

Storage	Shelf life	Concentration	Purity
 Store below -20℃	 12 months	1unit/μl	≥90% (SDS-PAGE)

Products

Cat. No.	Products	Size
HLU200	HelixZyme™ Heat Labile UDG	200units
HLU500	HelixZyme™ Heat Labile UDG	500units

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