

HelixZyme™ Cod UDG

Kit Contents

HelixZyme™ Cod UDG		
Cat No.	CODU200	CODU500
Cod UDG (1unit/μl)	0.2ml	0.5ml
Instructions for Use	1ea	1ea

Description

HelixZyme™ Cod UDG is a recombinant Uracil DNA glycosylase from *Gadus morhua* expressed in *E. coli*. 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. Cod UDG is fully active in the temperature range of 15 to 25°C and inactivated at over 50°C. 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 (pH 8.0), 1mM EDTA, 50mM NaCl, 1mM DTT, 0.1mg/ml BSA, 50% Glycerol

Storage



Store below -20°C

Shelf life



12 months

Concentration

1unit/μl

Quality Control

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

Products

Cat. No.	Products	Size
CODU200	HelixZyme™ Cod UDG	200units
CODU500	HelixZyme™ Cod UDG	500units