



For research use only

ISO9001

Urasil-DNA Glycosylase (UDG)

Product	Quantity	Cat. No.	Remarks
Urasil-DNA Glycosylase (UDG)	1,000 unit	EBT-3071	2 unit/ μ l

Description

Urasil-DNA Glycosylase, also known as UDG or UNG, removes free uracil residues from uracil-containing DNA (single- and double-stranded) without destroying the sugar-phosphodiester backbone. UDG effectively prevents the subsequent use of UDG-treated DNA as a hybridization target or as a template for DNA polymerases.

Treatment of 0.1 μ g of uracil-containing DNA with 1 unit UDG for 10 min at 37°C can not be used as a template for next round of PCR. UDG is active over a broad range of pH and heat inactivated > 95% by incubation at 95°C for 10 min.

Urasil-DNA Glycosylase gene is obtained from *E.coli* strain and recombinant enzyme is purified.

Concentration & Storage Condition

2 unit/ μ l, Store at -20°C.

10x Reaction Buffer

200 mM Tris-HCl, pH7.9, 10 mM DTT, 10 mM EDTA.

Storage Buffer

10 mM Tris-HCl, pH 7.5, 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 0.1 mg/ml BSA and 50% glycerol.

QC Tests

Activity, exo and endonuclease activity test, SDS-PAGE purity, performance tests.



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