

Datasheet for ABIN3188217 Uracil DNA Glycosylase

Overview

Quantity: 1000 U

Product Details

Characteristics: E. coli Uracil DNA Glycosylase (UDG) catalyses the release of free uracil via hydrolysis of the N-glycosylic bond between the uracil and sugar from uracil containing single- or double- stranded DNA. This enzyme does not show activity on oligomers of 6 or less bases or on RNA.

Components: Enzyme supplied with 10X Reaction Buffer

Unit Definition: One unit is defined as the amount of Uracil DNA Glycosylase that catalyzes the release of 60 pmol of uracil per one minute from uracil-containing, double-stranded DNA at 37°C.

Application Details

Comment:

- Prevents carryover contamination in PCR
- Glycosylase mediated polymorphism detection (GMPD)
- Sitedirected mutagenesis

Restrictions: For Research Use only

Handling

Concentration: 5 U/μL

Buffer: 30 mM Tris-HCl (pH 7.5), 150 mM NaCl, 1 mM EDTA, 1 mM DTT, 0.15 % Tween-20 and 50 % (v/v) Glycerol.

Storage: -20 °C

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)

