

# Certificate of Analysis



**PRODUCT:** Uracil-DNA Glycosylase

**CAT. NO.**  
LU101

**AMOUNT**  
2\*1000 units

**LOT NUMBER**  
O20821

**SHELF LIFE**  
Two years

**STORAGE CONDITIONS**  
at -20 °C for two years

**SHIPPING CONDITIONS**  
Dry ice(-70 °C)

## DESCRIPTION

This product is a 26.5 kDa purified recombinant protein inducibly expressed in *E. coli* carrying the Uracil-DNA Glycosylase gene. UDG enzyme catalyzes the release of uracil in single-stranded or double-stranded DNA but is not effective for oligomeric DNA ( $n \leq 6$  bases).

## PACKAGE CONTENTS

Component	LU101-01	LU101-02
UDG Enzyme	1000 units	5×1000 units
10×UDG Reaction Buffer	1 ml	5×1 ml
10×DNA Loading Buffer	1 ml	5 ml

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## QUALITY CONTROL DATA

Assay	Standard	Result
Degradation ability	1. After degradation of the uracil-containing substrate, the electrophoretic detection band is the same or similar to the control batch. 2. After degradation of the uracil-containing substrate, the Ct value is higher or close to that of the control batch.	Met standards



# Notice to Purchaser

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All products are for research use only. Caution: Not intended for human or animal diagnostic or therapeutic uses. If you have any further questions about this Certificate of Analysis, please contact us at +86-10-57815027 or +86-400-898-0321.

TransGen Biotech products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of TransGen Biotech Co., Ltd.

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A handwritten signature in black ink that reads "Heng Zheng". The signature is written in a cursive style with a horizontal line underneath.

Manager, Quality Control Department

23/8/2020