

# Certificate of Analysis



**Product Name/Description:** pUC118 Hind III/BAP  
**Cat. #:** 3324  
**Lot #:** Specified on product label  
**Storage Conditions:** -20 degrees C  
**Expiration Date:** 2 years from date of receipt under proper storage condition

**Package Size:** 5 µg

**Package Contents:** 1. pUC118 Hind III/BAP 0.1 µg/µl 5 µg

**Product Documents:** Documents for Takara Bio products are available for download at [www.takara-bio.com](http://www.takara-bio.com)

**Quality Control Data:**

- 1) Purity: Shown to be a single band by agarose gel electrophoresis.
- 2) When transformation was performed using this product treated with T4 DNA ligase, the number of transformants was less than 1% of that using uncleaved pUC118.
- 3) When transformation was performed using E.coli JM109 competent cells (transformation efficiency:  $>1.0E+07$  transformants/1 µg of pUC118) and this product treated with T4 polynucleotide kinase and subsequently with T4 DNA ligase, the transformation efficiency was more than  $1.0E+06$  transformants/1 µg DNA. The number of white colonies was less than 1% of the number of total colonies when the cells were cultured on agar plates containing IPTG and X-Gal.

It is certified that this product meets above specifications.

Manager, Quality Assurance  
TAKARA BIO INC.

**Safety Information :**

Please refer to our website for safety information :

<http://www.takara-bio.com>

**Notice To Purchaser :**

This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.

Also, do not use this product as food, cosmetic, or household item, etc.

Takara products may not be resold or transferred, modified for resale or transfer, or used to manufacture commercial products without written approval from TAKARA BIO INC.

If you require licenses for other use, please contact us by phone at +81 77 565 6973 or from our website.

<http://www.takara-bio.com>

Your use of this product is also subject to compliance with any applicable licensing requirements described on the product web page.

It is your responsibility to review, understand and adhere to any restrictions imposed by such statements.

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