

# Certificate of analysis

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**Product Name/Description:** pUC118 Hinc II/BAP  
**Cat. #:** 3322  
**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 Hinc II/BAP 0.1 µg/µl 5 µg

**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 the above specifications, as reviewed and approved by the Quality Department of Takara Bio Inc.

**Notice To Purchaser:**

Please refer to the website.

**Product Documents, Patent Markings, Trademarks, & Safety Information:**

Refer to website for availability to download or contact your local office:  
[www.takara-bio.co.jp](http://www.takara-bio.co.jp) (Japanese)  
[www.takarabio.com](http://www.takarabio.com) (English)

**Licence Statements:**

Please visit our website and click the "license" button on the product's web page.

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