

Certificate of Analysis

Product name/description :

Bal I

Package Contents :

<p>Code No : 1009A</p> <p>Lot No : K1801BA</p> <p>Storage Condition : -20 degrees C</p> <p>Expiration Date : June 2011</p> <p>Source : <i>Brevibacterium albidum</i></p>	<p>1. <i>Bal I</i></p> <p>Conc. 2 U/μl</p> <p>Size 20 U</p> <p>Volume 10 μl</p> <p>2. 10 X <i>Bal I</i> Buffer 1 ml</p> <p>3. 0.1% BSA 1 ml</p> <p>4. 10 X Loading Buffer 1 ml</p>
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Quality Control data:

1. Overdigestion Test: Non-specific nuclease activity was not detected after incubation of 1 μg of λDNA with excess amount of this enzyme for 24 hr in 50 μl of the supplied buffer at 37°C as evaluated by agarose gel electrophoresis. **10 U**
2. Ligation-Recutting Test: After 10-fold overdigestion with this enzyme, the DNA fragments could be ligated with T4 DNA ligase and could be recut with this enzyme. Ligation: >90% , Recutting: 100%
3. pKF3 Enforcement Cloning Test: Enforcement cloning vector, pKF3, was completely digested by 10-fold excess amount of this enzyme, ligated, transformed into TH2 competent cells. The percentage of the transformed cells damaged at the recognition site of pKF3 vector due to the restriction enzyme or ligase contaminants was determined. **<1.0%**

It is certified that this product meets above specifications.

Approved By:

Yoshiko Kubota
 Manager, Quality Assurance
 TAKARA BIO INC.

Safety Information :

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