

**Product Name/Description:** Sac I  
**Cat. #:** 1078AH  
**Lot #:** Specified on product label  
**Storage Conditions:** -20 degrees C  
**Expiration Date:** Specified on product label or package

**Package Size:** 2000 U

<b>Package Contents:</b>	1. Sac I	50 U/μl	2000 U
	2. 10X L Buffer		1 ml
	3. 10X Loading Buffer		1 ml

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

**Source:** Streptomyces achromogenes

**Quality Control Data:**

**Overdigestion test:**

Nonspecific nuclease activity was not detected after incubating 1 μg of λ-EcoR I digest with 15 units of this enzyme in 50 μl of the supplied buffer overnight at 37°C, as assessed by agarose gel electrophoresis.

**Ligation-Recutting test:**

After 10-fold overdigestion with this enzyme, the DNA fragments could be ligated with T4 DNA ligase and recut with this enzyme.

Ligation: >99% , Recutting: 100%

**pKF3 Enforcement Cloning test:**

An Enforcement Cloning Vector, pKF3, was completely digested using 10-fold excess amount of this enzyme, ligated, and subsequently transferred into TH2 Competent Cells. The percentage of transformants that contained damaged rpsL genes caused by contaminants in this enzyme or ligase was less than 2.0%.

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.

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