

Product Name/Description: DNA Ligation Kit <Mighty Mix>

Cat. #: 6023

Lot #: Specified on product label

Storage Conditions: -20 degrees C

Expiration Date: Specified on product label or package

Package Size: 1 Kit

Package Contents: 1. Ligation Mix 150 µl x 5

Product Documents: Documents for Takara Bio products are available for download at www.takara-bio.com

Quality Control Data:

This product was tested with the following ligation reactions according to the User Manual. Each of the ligation mixtures was used to transform E. coli JM109 Competent Cells (Cat.# 9052) and transformants were selected with ampicillin, X-Gal, and IPTG.

Cohesive-end ligation test:

A Hind III-digested DNA fragment (564 bp) was ligated to pUC 118 Hind III/BAP vector (Cat.# 3324) with this product. The transformation efficiency for white colonies was $\geq 4.0E+06$ cfu/µg vector.

Blunt-end ligation test:

A Hinc II-digested DNA fragment (500 bp) was ligated to pUC118 Hinc II/BAP vector (Cat.# 3322) with this product. The transformation efficiency for white colonies was $\geq 2.0E+06$ cfu/µg vector.

TA cloning test:

A 500 bp DNA fragment with a cohesive A at each end was ligated to T-Vector pMD20 (Cat.# 3270) with this product. The transformation efficiency for white colonies was $\geq 3.0E+06$ cfu/µg vector.

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.

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

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