

Certificate of analysis

Product Name/Description: TaKaRa DNA Ligation Kit LONG
Cat. #: 6024
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. DNA Ligase <LONG>	50 µl	
2. 10X LONG Ligation Buffer	300 µl	
3. Control Vector (pUC118/Hind III/BAP)	10 µl	
4. Control Insert DNA/Hind III (18 kb)	30 µl	
5. dH2O	1 ml	x 2

Quality Control Data:

Cloning test:

This product was tested with 5 µl of Control Insert DNA/Hind III (18 kbp) and 1 µl of Control Vector (pUC18/Hind III/BAP) in a reaction mixture of 50 µl. E. coli JM109 Competent Cells (Cat.# 9052) were transformed with 2 µl of the ligation mixture and the transformants were selected with ampicillin, X-Gal and IPTG.

1) The transformants of white colonies were more than 80% of total colonies.

2) It was confirmed that the expected plasmid was cloned in more than 75% of the transformants of white colonies arbitrarily selected.

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 (Japanese)
www.takarabio.com (English)

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