

Certificate of analysis

Product Name/Description: E. coli DNA Ligase
Cat. #: 2160A
Lot #: Specified on product label
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 1000 U

Package Contents: 1. E. coli DNA Ligase 60 U/μl 1000 U

Source: Escherichia coli UT 481 carrying the plasmid encoding the ligase

Unit Definition: One unit of the enzyme is defined as the amount that ligates more than 90% of 6 μg of λDNA-Hind III digest in a 20 μl mixture in 30 minutes at 16°C.

Quality Control Data:

Nuclease activity was not detected in this product by agarose gel electrophoresis following each of the reactions described below:

- 1) Incubation of 1 μg of λDNA-Hind III digest with 360 units of this enzyme for 16 hours at 37°C.
- 2) Incubation of 1 μg of supercoiled pBR322 DNA with 360 units of this enzyme for 16 hours at 37°C.
- 3) Incubation of 1 μg of 16S and 23S rRNA with 360 units of this enzyme for 1 hour at 37°C.

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)

Licence Statements:

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

©2019 Takara Bio Inc. All Rights Reserved.

All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions.