

Cloning Enhancer

Catalog Nos.	Amount	Lot Number
639613 (Not sold separately; sold as a part of 639633)	50 µl	Specified on product label.
639614 (Not sold separately; sold as a part of 639634)	100 µl	Specified on product label.
639615	200 µl	Specified on product label.
638926	500 µl	Specified on product label.

Description

Cloning Enhancer removes background plasmid DNA and PCR residue, eliminating the need for PCR insert purification prior to cloning. Cloning Enhancer-treated PCR samples yield significantly more recombinant clones. Since treatment with Cloning Enhancer occurs in the same tube as the PCR reaction, it is less likely to result in UV damage or nicking. Avoiding a separate cleanup process also minimizes the risk of losing PCR products during purification.

Package Contents

<u>639613</u> (25 rxns)	<u>639614</u> (50 rxns)	<u>639615</u> (100 rxns)	<u>638926</u> (250 rxns)	
50 µl	2 x 50 µl	4 x 50 µl	4 x 50 µl	Cloning Enhancer

Storage Conditions

- Store at -20°C

Expiration Data

- Specified on product label

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Cloning Enhancer Protocol-At-A-Glance
- In-Fusion® HD Cloning Kit User Manual
- In-Fusion HD Multiple-Insert Cloning Protocol-At-A-Glance

Quality Control Data

An aliquot of this lot of Cloning Enhancer was tested using the components of the In-Fusion HD Cloning Kit (Takara Bio, Cat. No. 639648, not sold separately). An aliquot of Cloning Enhancer was mixed with a 2.0 kb Unpurified Control Insert and incubated at 37°C for 15 min, followed by 80°C for 15 min. After Cloning Enhancer treatment, the Unpurified Control Insert was cloned into the linearized pUC19 Vector as described in the In-Fusion HD Cloning Kit User Manual. The cloning reaction was used to transform chemically competent Stellar™ Competent Cells (Cat. No. 636763) ($> 5 \times 10^8$ cfu/µg). After 1 hr of growth, an aliquot of the transformed culture was plated onto an LB Amp 100/X-gal/IPTG plate. At least 2,500 colonies were observed for the cloning reaction. It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

Takara Bio USA, Inc.

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Notice to Purchaser



CATALOG NOS.

639613, 639614, 636615 & 638926

NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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