

DESCRIPTION

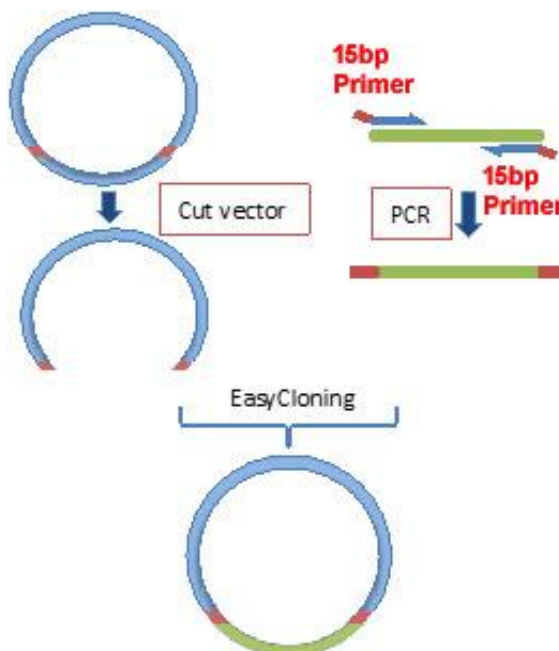
EasyCloning Kit is designed for quick and effective cloning. With our proprietary recombinase enzyme, this kit is especially powerful in directly cloning any single or multiple PCR products into any vectors more effectively than the conventional approaches using restriction enzymes, phosphatases, or ligases.

KEY FEATURES

- **Fast:** One step cloning procedure completed within 30 minutes.
- **Easy:** PCR DNA and linearized vector immediately used in cloning, no restriction enzymes, phosphatases or ligases needed.
- **Effective:** Long PCR DNA up to 100 kb can be efficiently cloned vectors with successful rate >95%.

CONTENTS for 10 or 20 Reactions

Kit Components	TBS4050-10	TBS4050-20
EasyCloning Enzyme	10 µl	20 µl
10X CloneEZ® Buffer	20 µl	40 µl
Manual	1	1



PROTOCOL

- PCR amplification of target DNA
- Preparation of linearized Vector
- EasyCloning Recombination Procedure

Set up the following reaction in a 0.5 ml Eppendorf tube by mixing the following reagents gently and then spin down briefly to collect the reagents at the bottom of the tube.

Linearized vector (100-200 ng/µl)	6 µl
Purified PCR products (100-200 ng/µl)	n µl
10X EasyCloning Buffer	2 µl
EasyCloning Enzyme	2 µl
Deionized water	up to 20 µl

Incubate the reactions at 25°C for 5-30 minutes, and then transfer tubes to ice and incubate on ice for 5 minutes and proceed with transformation. The reaction can also be stored at -20°C for later transformation.

- E.coli transformation