

# **Customers product feedback**

Product name: FastGene® Scriptase II cDNA Synthesis Kit (LS63)

Manufacture name: Nippon Genetics Co., Ltd.

Application: Cloning of isoflavone biosynthesis related enzyme using RNA

extracted from soybene

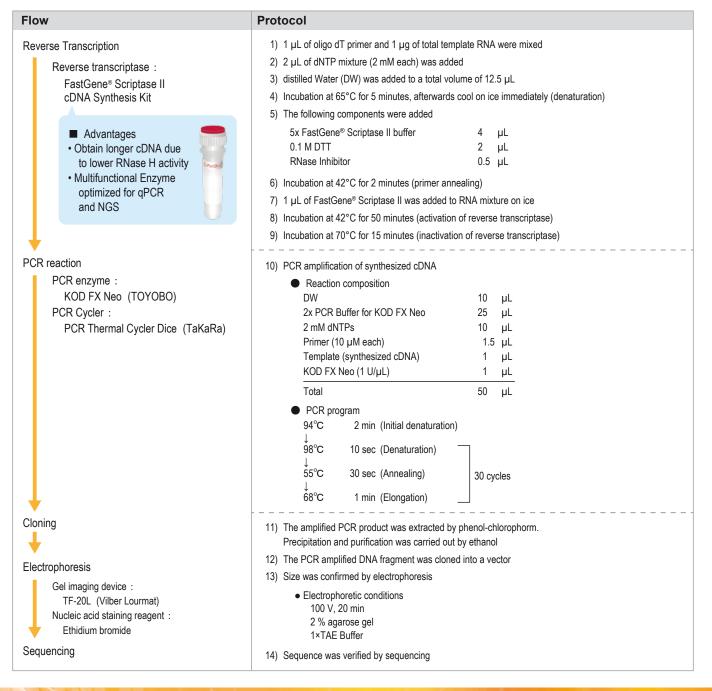
The data was kindly provided by Mr Ryo Mameda at Mr. Nakayama Laboratory, Department of Biomolecular, Graduate School of Engineering, Tohoku University, Japan

## Overview

Plants adapt to changes in the environment by biosynthesizing specialized metabolites (secondary metabolites). In order to study the physiological functions of these substances, investigation of metabolic enzymes that biosynthesize them is essential. Here, we focused on soy isoflavone and conducted an experiment aimed at gene cloning of an isoflavone biosynthesis related enzyme.

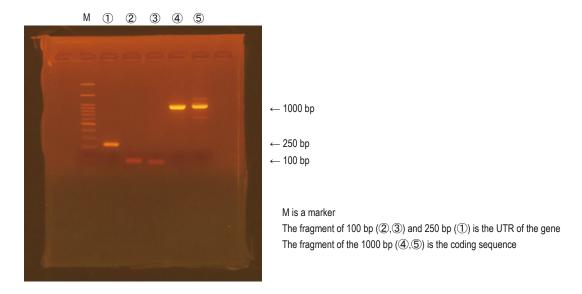
# **Experimental conditions**

- · Initial sample : Soybean (Glycine max) suspension culture cells 100 mg
- · RNA purification: RNAiso plus (TaKaRa)





#### Result



## <Customer's comments>

PCR amplified DNA fragement was cloned into a vector and the sequence was confirmed. As a result, there was no artificial mutation such as changes of single nucleotides.

Also, the manual of your product (FastGene® Scriptase II cDNA Synthesis Kit) was very easy to understand and I felt no stress on the operation.

I definitely want to use other products from NIPPON Genetics.