

## Certificate of Analysis

**Product name/description :**

**PrimeScript™ Reverse Transcriptase**

**Package Contents : 2,000 units**

**Code No : 2680Q**

1. PrimeScript™ Reverse Transcriptase (200 U/μl) 10 μl

**Lot No : K2604CA**

2. 5X PrimeScript™ Buffer 500 μl

**Storage Condition : -20 degrees C**

**Expiration Date : March 2012**

**Source : Purified from an *E.coli* strain  
 expressing a recombinant enzyme**

**Quality Control Data :**

1st - strand cDNA Extension Test :

According to the standard protocol, 1st strand cDNA is synthesized by incubating 500 ng of total RNA prepared from mouse heart and 50 pmol of Oligo dT primer with 100 units of PrimeScript™ Reverse Transcriptase at 42°C for 30 minutes. Then, PCR is performed with this RT reactant as a template and it is confirmed that the 12 kbp target is properly amplified by agarose gel electrophoresis.

Purity :

Nuclease activity is not detected in any of the following cases, as judged from the agarose gel electrophoresis pattern :

- 1) After incubation of 1 μg of λ DNA-*Hind* III fragments with 200 units of this enzyme for 1 hour at 37°C .
- 2) After incubation of 1 μg of supercoiled pBR322 DNA with 200 units of this enzyme for 1 hour at 37°C .
- 3) After incubation of 1 μg of 16S and 23S rRNA with 200 units of this enzyme for 1 hour at 37°C .

It is certified that this product meets above specifications.

Approved By :

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Yoshiko Kubota  
 Manager, Quality Assurance  
 TAKARA BIO INC.

**Safety Information :**

Please refer to our website (\*) for safety information :

(\*)Japanese customers : <http://www.takara-bio.co.jp>

Other country's customers : <http://www.takara-bio.us>

**Notice To Purchaser :**

This product is intended to be used for research purpose only. They are not to be used for drug or diagnostic purposes, nor are they intended for human use. They shall not to be used products as food, cosmetics, or utensils, etc.

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**Country of origin : China**