

Certificate of analysis

Product Name/Description: small RNA Cloning Kit
Cat. #: RR065
Lot #: Specified on product label
Storage Conditions: 4 degrees C and -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 10 Rxns

Package Contents:

| | | | |
|-----------|--------------------------------------|-------------|--------|
| Package 1 | 1. RNase Inhibitor | 40 U/μl | 50 μl |
| | 2. 10X BAP Buffer | | 200 μl |
| | 3. Alkaline Phosphatase (BAP) | | 20 μl |
| | 4. 0.1% BSA | | 60 μl |
| | 5. 3' adaptor | | 10 μl |
| | 6. T4 RNA Ligation Buffer | | 600 μl |
| | 7. T4 RNA Ligase | 40 U/μl | 20 μl |
| | 8. 5X T4 PNK Buffer | | 100 μl |
| | 9. T4 Polynucleotide Kinase | 10 U/μl | 10 μl |
| | 10. 5' adaptor | | 10 μl |
| | 11. 5X RT Buffer | | 40 μl |
| | 12. dNTP Mixture | 2.5 mM each | 90 μl |
| | 13. PCR-R & RT-Primer | 50 pmol/μl | 20 μl |
| | 14. RTase (RNase H free) | 200 U/μl | 10 μl |
| | 15. 2X PCR Buffer | | 250 μl |
| | 16. PCR Primer F | 50 pmol/μl | 10 μl |
| | 17. TaKaRa Ex Taq HS | 5 U/μl | 10 μl |
| | 18. Control RNA | 5 pmol/μl | 10 μl |
| Package 2 | 19. 3 M Sodium Acetate (pH5.2) | | 200 μl |
| | 20. Dr. GenTLE Precipitation Carrier | | 80 μl |
| | 21. 2X B/W Buffer | | 2.7 ml |
| | 22. Magnosphere MS300/Streptavidin | | 100 μl |
| | 23. RNase-free dH2O | | 10 ml |

Note: Storage condition: Package 1; -20°C, Box 2; 4°C
 Shipping Condition: Package 1; -20°C, Box 2; 4°C

Quality Control Data:

The performance of this product was tested by using Control RNA according to the user manual. Each of Control RNA, Control RNA treated with BAP, and H2O was treated to obtain cDNA. PCR was performed using each of the reactants, and consequently the expected products were obtained (approximately 40 bp (H2O), approximately 40, 65, and 80 bp (Control RNA), approximately 40 and 65 bp (Control RNA treated with BAP)). When H2O (instead of the reactants described above) was used for the PCR, no specific products described above was obtained. The PCR products (approximately 40 and 65 bp (Control RNA treated with BAP)) were clearly digested with Sse8387I, and consequently the expected products were obtained (approximately 20 and 40 bp). There was no significant difference between the results obtained by using this lot and the previous lot.

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)

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