

**PRODUCT: Mouse Heart Marathon®-Ready cDNA****CATALOG No.** 639404**LOT NUMBER:** 1202349A**STORAGE BUFFER**

- 10 mM Tricine-KOH (pH 9.2)
- 1 mM EDTA

**STORAGE CONDITIONS**

- Store at -20°C.
- Avoid multiple freeze/thaw cycles.

**SHELF LIFE**

1 year from date of receipt under proper storage conditions.

**SHIPPING CONDITIONS**

Dry ice (-70°C)

**DESCRIPTION**

Marathon-Ready cDNA is high-quality, double-stranded cDNA which has been ligated to the Marathon Adaptor and is ready for use as a template in 5' and 3' Marathon RACE reactions. In many cases, the full-length cDNA can then be obtained by end-to-end amplification or standard cloning. Enough material is provided for 30 50-µl Marathon RACE reactions.

**CONCENTRATION:** ≈ 0.1 ng/µl**POLY A<sup>+</sup> RNA SOURCE**

Normal whole hearts pooled from 1600 female BALB/c mice, ages: 8-12 weeks  
No further RNA source information is available.

**PACKAGE CONTENTS**

- 150 µl Mouse Heart Marathon-Ready cDNA
- 50 µl Adaptor Primer 1 (AP1; 10 µM)
- 50 µl Nested Adaptor Primer 2 (AP2; 10 µM)
- 20 µl Control 5'-RACE G3PDH Primer (10 µM)
- 20 µl Control 3'-RACE G3PDH Primer (10 µM)

**PRODUCT USER MANUALS**

User manuals for Clontech products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals). The following user manuals apply to this product:

- Marathon-Ready cDNA User Manual (PT1156-1)
- Marathon-Ready cDNA Protocol-at-a-Glance (PT1156-2)

**FOR RESEARCH USE ONLY****QUALITY CONTROL DATA**

5' and 3' cDNA fragments of the glyceraldehyde 3-phosphate dehydrogenase (G3PDH) gene were amplified using the Marathon RACE procedure and the Advantage® 2 Polymerase Mix (Cat. No. 639201). 5'-RACE was primed with the AP1 Primer and the Control 5'-RACE G3PDH Primer; 3'-RACE was primed with the AP1 Primer and the Control 3'-RACE G3PDH Primer. Following 20 cycles of amplification, a major 5'-RACE product of 1.09 kb and a major 3'-RACE product of 1.2 kb were observed on a 1.2% agarose/EtBr gel.

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## Mouse Heart Marathon®-Ready cDNA

### CATALOG NO.

639404

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