

PRODUCT: Human Heart Marathon®-Ready cDNA**CATALOG No.** 639304**LOT NUMBER:** 1603783A**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⁺ RNA SOURCE

Normal hearts pooled from 3 Caucasian males, ages: 24-41; cause of death: sudden death

No further RNA source information is available.

PACKAGE CONTENTS

- 150 μl Human 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. 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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Human Heart Marathon®-Ready cDNA

CATALOG NO.

639304

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