

**PRODUCT: Rat Brain Marathon®-Ready cDNA****CATALOG No.** 639412**LOT NUMBER:** 1207236A**STORAGE BUFFER**

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

**STORAGE CONDITIONS**

- Store at  $-20^{\circ}\text{C}$ .
- Avoid multiple freeze/thaw cycles.

**SHELF LIFE**

1 year from date of receipt under proper storage conditions.

**SHIPPING CONDITIONS**

Dry ice ( $-70^{\circ}\text{C}$ )

**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- $\mu\text{l}$  Marathon RACE reactions.

**CONCENTRATION:**  $\approx 0.1$  ng/ $\mu\text{l}$

**POLY A<sup>+</sup> RNA SOURCE**

Normal, whole brains pooled from 500 male Sprague-Dawley rats, ages 8-12 weeks

No further RNA source information is available.

**PACKAGE CONTENTS**

- 150  $\mu\text{l}$  Rat Brain Marathon-Ready cDNA
- 50  $\mu\text{l}$  Adaptor Primer 1 (AP1; 10  $\mu\text{M}$ )
- 50  $\mu\text{l}$  Nested Adaptor Primer 2 (AP2; 10  $\mu\text{M}$ )
- 20  $\mu\text{l}$  Control 5'-RACE G3PDH Primer (10  $\mu\text{M}$ )
- 20  $\mu\text{l}$  Control 3'-RACE G3PDH Primer (10  $\mu\text{M}$ )

**PRODUCT DOCUMENTS**

Documents for Clontech products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals). The following documents 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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## Rat Brain Marathon®-Ready cDNA

### CATALOG NO.

639412

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