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PRODUCT: Rat Brain Marathon-Ready™ cDNA

CATALOG No. 639412

LOT NUMBER: 9070073A

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) or blue ice (-20°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- μ l Marathon RACE reactions.

CONCENTRATION: \approx 0.1 ng/ μ l

POLY A+ 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 μ l Rat Brain Marathon-Ready cDNA
- 50 μ l Adaptor Primer 1 (AP1; 10 μ M)
- 50 μ l Nested Adaptor Primer 2 (AP2; 10 μ M)
- 20 μ l Control 5'-RACE G3PDH Primer (10 μ M)
- 20 μ l Control 3'-RACE G3PDH Primer (10 μ M)

OTHER

- 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.

APPROVED BY: _____



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