PRODUCT: Rat Kidney Marathon®-Ready cDNA

CATALOG No. 639414

LOT NUMBER: 6020501

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 whole kidneys pooled from 200 male Sprague-Dawley rats, ages 8-12 weeks.

No further RNA source information is available.

PACKAGE CONTENTS
• 150 µl Rat Kidney 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 DOCUMENTS
Documents for Clontech products are available for download at www.clontech.com/manuals
The following documents apply to this product:
• User Manual (PT1156-1)
• 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 single 5’-RACE product of 1.09 kb and a single 3’-RACE product of 1.2 kb were observed on a 1.2% agarose/EtBr gel.

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