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## PRODUCT: Human Fetal Liver Marathon-Ready™ cDNA

**CATALOG No.** 639303

**LOT NUMBER:** 3120134

### 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 ( $-70^{\circ}\text{C}$ ) or blue ice ( $-20^{\circ}\text{C}$ )

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

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

normal, fetal livers pooled from 32 spontaneously aborted male/female Caucasian fetuses, ages: 18–24 weeks

No further RNA source information is available.

### PACKAGE CONTENTS

- 150  $\mu\text{l}$  Human Fetal Liver 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  $\mu\text{M}$ )

### OTHER

- 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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