

## Human Liver Marathon®-Ready cDNA

**Catalog No.**  
639307

**Amount**  
30 rxns

**Lot Number**  
1811260A

### 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- $\mu$ l Marathon RACE reactions.

### Package Contents

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

### 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.

### Storage Buffer

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

### Concentration

- $\approx 0.1$  ng/ $\mu$ l

### Poly A<sup>+</sup> RNA Source

- Normal liver pooled from a 35 year old Caucasian male; cause of death: sudden death
- No further RNA source information is available.

### Shipping Conditions

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

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#### Takara Bio USA, Inc.

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## Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- Marathon-Ready cDNA User Manual
- Marathon-Ready cDNA Protocol-at-a-Glance

## 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.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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