

**PRODUCT: Human Retina Marathon®-Ready cDNA**

CATALOG No. 639349

LOT NUMBER: 1103285A

**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 retinas pooled from 99 male/female Caucasians, ages: 15-80; cause of death: sudden death  
No further RNA source information is available.

**PACKAGE CONTENTS**

- 150  $\mu\text{l}$  Human Retina 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.



**Clontech**

**United States/Canada**  
800.662.2566

**Asia Pacific**  
+1.650.919.7300

**Europe**  
+33.(0)1.3904.6880

**Japan**  
+81.(0)77.543.6116

Clontech Laboratories, Inc.  
A Takara Bio Company  
1290 Terra Bella Ave.  
Mountain View, CA 94043  
Technical Support (US)  
E-mail: [tech@clontech.com](mailto:tech@clontech.com)  
[www.clontech.com](http://www.clontech.com)

(120712)

## Human Retina Marathon®-Ready cDNA

### CATALOG NO.

639349

### NOTICE TO PURCHASER:

Clontech products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Clontech products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of Clontech Laboratories, Inc.

Your use of this product is also subject to compliance with the licensing requirements listed below and described on the product's web page at <http://www.clontech.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

### STATEMENT 227

Suppression PCR. The methods of use for this product are protected by US Patent 5,565,340 and related foreign Patents covering Suppression PCR. The purchase of this product includes a limited, non-transferable license to use only the supplied quantity of product for the purchaser's own internal research. Such license specifically excludes the right to sell or otherwise transfer this product, its components or derivatives thereof to third parties. No modifications to the product may be made without express written permission from Clontech. No right under any other patent claim is conveyed expressly, by implication, or by estoppel. Any other use of this product requires a different license from Clontech. For license information, please contact a licensing representative by phone at 650.919.7320 or by e-mail at [licensing@clontech.com](mailto:licensing@clontech.com).

### TRADEMARKS:

Clontech, the Clontech logo, Marathon and Advantage are trademarks of Clontech Laboratories, Inc.

All other marks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions. Clontech is a Takara Bio Company. ©2012 Clontech Laboratories, Inc. This document has been reviewed and approved by the Clontech Quality Assurance Department.

---

#### Clontech Laboratories, Inc.

A Takara Bio Company

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: [tech@clontech.com](mailto:tech@clontech.com)

12/6/2012

**United States/Canada**

**Asia Pacific**

**Europe**

**Japan**

800.662.2566

+1.650.919.7300

+33.(0)1.3904.6880

+81.(0)77.543.6116