Human Placenta Marathon®-Ready cDNA

Catalog No(s.) Amount Lot Number
639311 30 rxns 1701029A

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.

Package Contents
• 150 μl Human Placenta 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)

Storage Conditions
• Store at –20°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
• ≈ 0.1 ng/μl

Poly A+ RNA Source
• Normal placentas pools from 11 Caucasians, ages: 19-39
• No further RNA source information is available.

Shipping Conditions
• Dry ice (–70°C)
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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