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pCC2FOS™ Sequencing Primers

Cat. Nos. HTFP061 and HTRP062

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1. pCC2™ Forward Sequencing Primer

5′ - GTACAACGACACCTAGAC - 3′

Product Specifications

Storage: Store at –20°C.

Concentration: 1 nmol @ 50 µM.....20 µl
in TE Buffer (10 mM Tris-HCl [pH 7.5], 1 mM EDTA).

Length: 18 nucleotides

G+C content: 9

Molecular Weight: 5,462 daltons

Temperatures of Dissociation & Melting:

T_d:	48°C	(nearest neighbor method)
T_m:	64°C	(% G+C method)
T_m:	54°C	([2 (A+T) + 4 (G+C)] method)
T_m:	58°C	((81.5 + 16.6 (log [Na^+])) + ([41 (#G+C) - 500] / length) method) where [Na^+] = 0.1 M

2. pCC2™ Reverse Sequencing Primer

5′ - CAGGAAACAGCCTAGGAA - 3′

Product Specifications

Storage: Store at –20°C.

Concentration: 1 nmol @ 50 µM .....20 µl
in TE Buffer (10 mM Tris-HCl [pH 7.5], 1 mM EDTA).

Length: 18 nucleotides

G+C content: 9

Molecular Weight: 5,551 daltons

Temperatures of Dissociation & Melting:

T_d:	57°C	(nearest neighbor method)
T_m:	64°C	(% G+C method)
T_m:	54°C	([2 (A+T) + 4 (G+C)] method)
T_m:	58°C	((81.5 + 16.6 (log [Na^+])) + ([41 (#G+C) - 500] / length) method) where [Na^+] = 0.1 M

Quality Control: The primers are function-tested in a DNA cycle sequencing reaction using the SequiTherm EXCEL™ II DNA Sequencing Kit and the pCC2FOS vector as template.

3. Related Products

The following products are also available:

- FosmidMAX™ DNA Purification Kit
- CopyControl™ BAC Cloning Kits
- CopyControl™ cDNA, Gene & PCR Cloning Kit
- Plasmid-Safe™ ATP-Dependent DNase

Orientation for Fosmid End-Sequencing: The following is the nucleotide sequence of pCC2FOS (bases 360-409) from the pCC2FOS Forward Sequencing Primer (362-379) to the pCC2FOS Reverse Sequencing Primer (403-386) encompassing the *Eco*72 I site (380-385).

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360 ACGTACAACG ACACCTAGAC CAC - Cloned Insert - GTG TTCC TAGGCTGTTT CCTGGTGGGA
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