

Universal GenomeWalker™ Components

Catalog No.	Amount	Lot Number
636406 (Not sold separately) Sold as a part of 636405	Each	Specified on product label.

Description

Universal GenomeWalker Components is a subcomponent kit supplied as part of the Universal GenomeWalker 2.0 kit (Cat. No. 636405), which uses a simple, PCR-based method for identifying sequences located upstream or downstream from a known sequence in genomic DNA. The Universal GenomeWalker 2.0 kit also contains the other required components, which include materials for purification of genomic DNA and clean-up of digested DNA, as well as a thermostable DNA polymerase mix for PCR. Sufficient material is provided for three constructions of four GenomeWalker libraries each; each construction can be used for 80 reactions.

Package Contents

- 30 µl Dra I (10 units/µl)
- 100 µl 10X Dra I Restriction Buffer
- 30 µl EcoR V (10 units/µl)
- 100 µl 10X EcoR V Restriction Buffer
- 50 µl Pvu II (10 units/µl)
- 100 µl 10X Pvu II Restriction Buffer
- 30 µl Stu I (10 units/µl)
- 100 µl 10X Stu I Restriction Buffer
- 75 µl Control Human Genomic DNA (0.1 µg/µl)
- 10 µl T4 DNA Ligase (6 units/µl)
- 40 µl 10X Ligation Buffer
- 40 µl GenomeWalker Adaptor (25 µM)
- 250 µl Adaptor Primer 1 (AP1; 10 µM)
- 250 µl Nested Adaptor Primer 2 (AP2; 10 µM)
- 10 µl Positive Control GenomeWalker Human Library
- 50 µl Positive Control tPA Primer (PCP1; 10 µM)
- 50 µl Positive Control tPA Nested Primer (PCP2; 10 µM)

Storage Conditions

- Store at -20°C.

Expiration Date

- Specified on product label.

Shipping Conditions

- Dry ice

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. No. 636406

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Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Universal GenomeWalker 2.0 User Manual

Quality Control Data

A sample kit was tested to ensure the quality of this lot of Universal GenomeWalker Components. The positive control GenomeWalker Human Library was constructed from control human genomic DNA according to the protocol. 1 µl of the library was amplified by PCR with AP1 and PCP1 primers, followed by a secondary "nested" PCR amplification using AP2 and PCP2 primers. The nested PCR product was examined by electrophoresis on a 1.5% agarose/EtBr gel, and a single major band of 1.5 kb was observed.

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

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our 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 our prior written approval.

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