

Certificate of Analysis

Human Universal QUICK-Clone™ II

Catalog No.

637260

Amount

2 x 10 rxns

Lot Number

2208453A

Description

High-purity, double-stranded cDNA for rapid cloning, sequencing, or probe generation. cDNA was synthesized using an oligo(dT) primer and purified to remove interfering RNA. The cDNA was generated from Premium RNA prepared from >30 different human tissues (see page 2).

Package Contents

- 2 vials of cDNA, each containing approximately 20 ng. Each vial is sufficient for 10 or more PCR reactions.

Storage Buffer

- TE buffer

Storage Conditions

- Store at -70°C.
- Working portions may be stored at -20°C for up to 2 weeks in a constant temperature (not “frost-free”) freezer.
- Avoid multiple freeze/thaw cycles.

Concentration

- 2 ng/μl

Number of Tissues

- 31

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Dry ice

Product Documents

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

The following documents apply to this product:

- QUICK-Clone cDNA User Manual (PT1150-1)

Quality Control Data

The cDNA is tested for successful amplification of an 838 bp human β-actin cDNA fragment in 35 cycles or less using 0.5 ng of cDNA.

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

Takara Bio USA, Inc.

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Tissue Sources

Tissue condition: All tissues were normal (i.e., non-diseased) unless otherwise stated.

Cause of death: Sudden death/trauma unless otherwise stated.

Tissue

Human Adrenal Gland – pooled from 67 male/female Caucasians; ages: 17-72 years
Human Aorta – pooled from 19 male/female Caucasians; ages: 21-75 years
Human Bone Marrow – pooled from 22 male/female Caucasians; ages: 25-60 years
Human Brain – pooled from 8 male Caucasians; ages: 43-65 years
Human Brain, cerebellum – pooled from 24 male/female Caucasians; ages: 16-70 years
Human Brain, cerebral cortex – pooled from 1 female Caucasian; age: 35 years
Human Brain, thalamus – pooled from 10 male/female Caucasians; ages: 32-75 years
Human Fat Cell – pooled from 11 male/female Caucasians; ages: 19-57 years
Human Fetal Heart – pooled from 14 male/female Caucasians; ages: 20-25 weeks; cause of death: spontaneous abortion
Human Fetal Kidney – pooled from 59 male/female Caucasians; ages: 20-33 weeks; cause of death: spontaneous abortion
Human Fetal Liver – pooled from 38 male/female Caucasians; ages: 22-40 weeks; cause of death: spontaneous abortion
Human Fetal Lung – pooled from 38 male/female Caucasians; ages: 20-30 weeks; cause of death: spontaneous abortion
Human Heart – pooled from 4 male/female Caucasians; ages: 25-35 years
Human Kidney – pooled from 4 male/female Caucasians; ages: 28-48 years
Human Leukocyte – pooled from 550 male/female Caucasians; ages: 18-40 years; cause of death: blood donor
Human Liver – pooled from 1 male Caucasian; age: 35 years
Human Lung – pooled from 1 male Caucasian; age: 50 years
Human Lymph Node – pooled from 30 male/female Caucasians; ages: 20-69 years
Human Ovary – pooled from 5 female Caucasians; ages: 30-60 years
Human Pancreas – pooled from 15 male/female Caucasians; ages: 22-69 years
Human Placenta – pooled from 11 female Caucasians; ages: 19-39 years; cause of death: alive
Human Skeletal Muscle – pooled from 7 male/female Caucasians; ages: 20-68 years
Human Small Intestine – pooled from 5 male/female Caucasians; ages: 20-61 years
Human Smooth Muscle – pooled from 10 male/female Caucasians; ages: 30-62 years; cause of death: unknown
Human Spinal Cord – pooled from 12 male/female Caucasians; ages: 18-56 years
Human Spleen – pooled from 15 male/female Caucasians; ages: 22-69 years
Human Stomach – pooled from 7 male/female Caucasians; ages: 20-55 years
Human Testis – pooled from 45 male Caucasians; ages: 14-64 years
Human Thymus – pooled from 4 male/female Caucasians; ages: 14-22 years
Human Thyroid – pooled from 65 male/female Caucasians; ages: 18-61 years
Human Uterus – pooled from 11 female Caucasians; ages: 15-55 years

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NOTICE TO PURCHASER:

Our 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. 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 prior written approval of Takara Bio USA, Inc.

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