Tissue cDNA, First Strand Diseased cDNA Clone – Tissue Cdna, First Strand Diseased

PRODUCT OVERVIEW

Product Name	Tissue cDNA, First Strand Diseased, cDNA Clone
Full Product Name	Tissue cDNA, First Strand, Human Diseased (Adult), Diabetes, Pancreas, BioGenomics
Form/Format	Supplied as a liquid in 50mM Tris-Cl, pH 8.3, 75mM potassium chloride, 3mM MgCl2, 10mM DTT.
Purity/Purification	Molecular Biology Grade
Preparation and Storage	Store at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquots are stable for at least 6 months.
Bioselect Tissue cDNA	cDNA is supplied as First Strand, Multiple Tissue Panels, and Matched Pairs. PCR-ready First Strand cDNA is tissue specific and are ready-to-use for gene discovery or expression analysis. Over 350 cDNAs from human adult and fetal normal tissues, human diseased and tumor tissues, rat, mouse, monkey and plant tissues are included in this extensive collection. PCR Ready First Strand cDNAs is an excellent source of tissue specific, PCR-ready cDNA, and it can be immediately used for gene discovery or expression analysis. First-Strand cDNA is synthesized from RNA isolated from a wide variety of documented human adult and fetal normal tissues, human diseased and tumor tissues, mouse, rat, monkey, plant and other tissues. Total RNA used for cDNA synthesis is isolated by modified guanidine thiocyanate techniques. 11ug total RNA was primed by an oligo dT primer and reverse transcribed by MMLV reverse transcriptase in 40ul final volume. RT Reaction stopped by heating at 65 degree C for 10 minutes. 1ul cDNA is good for one PCR reaction. The 5' end of human clathrin cDNA (a 6kb gene) has been amplified by PCR from all of the cDNAs.
Features	Ready to use for PCR Oligo dT primer used to ensure the entire 3' end of cDNA is present With some cDNA used as templates, 12kb PCR amplicon was obtained to ensure the intactness of cDNA The largest selection of cDNAs from different tissues on the market Documentation of tissues' clinical histories available (additional cost)
Quality Control	1. The integrity of the RNA used for cDNA synthesis is examined by visual inspection for the presence of intact bands of 18s and 28s ribosomal RNA when electrophoresed on a denaturing agarose gel. The quality and purity of total RNA were tested by spectrophotometer. A260/280 is between 1.8 and 2.0 (detected in 10mM Tris-Cl, pH 7.5). The ratio of 28S/18S is 1. 2. The RNA used for cDNA synthesis is treated by DNase I, and is tested as DNA free RNA by PCR. 3. The synthesized human, animal, and cell line cDNA was 5' selected to ensure its full length. The cDNA was used as template for PCR amplification of -actin gene and an 838 bp -actin band was visualized on 1% agarose gel. -actin control primer is included. It is enough for 10 PCR reactions. 4. The synthesized plant cDNA was used as template for PCR amplification of chloroplast gene. A 458 bp chloroplast band was visualized on 1% agarose gel. Chloroplast control primer is included. It is enough for 10 PCR reactions.
Product Categories/Family for Tissue cDNA, First Strand Diseased cdna clone	Cloning; Cloning-cDNA
Application Notes for Tissue cDNA, First Strand Diseased cdna clone	Immediate PCR Amplification of known genes, Verification of genetic mutation, Comparison of a specific gene between different tissues, Analysis of mRNA alternative splicing, Gene cloning and target sequencing
Related Product Information for Tissue cDNA, First Strand Diseased cdna clone	MBS652098 is a cDNA clone targeting Tissue cDNA, First Strand Diseased. Also known as Tissue cDNA, First Strand, Human Diseased (Adult), Diabetes, Pancreas, BioGenomics.
Other Notes	Small volumes of Tissue cDNA, First Strand Diseased cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/cdna-clone/tissue-cdna-first-strand-diseased/652098