



LPL-35

95696™

Description

Detects:

Genome: Homo sapiens

Gene symbol: LPL

Type of nucleic acid: genomic

Restriction enzyme: PvuII

Invariant bands (kb): 0.8,1.9,2.9,3.2,6.6

Number of alleles: 2

Type of polymorphism: site

Maximum heterozygosity (%): 48

Alleles:

Allele Freq. Size (kb) Strains

Da1 0.41 7.6

Da2 0.59 4.9, 2.7

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* HB101 (ATCC 33694)

Storage Conditions

Product format: Freeze-dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.



Biosafety Level 1

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Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Insert Information

Insert size (kb): 2.4350000000000001

Type of DNA: cDNA

Insert source: adipose

Insert tissue: adipose

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

Cross references: DNA Seq. Acc.: M15856

Nucleotides ~1-2425 of the insert correspond to nucleotides 1-2425 of M15856.

Genome: Homo sapiens

Chromosome: 8

8 p22

Gene name: lipoprotein lipase

Gene product: lipoprotein lipase [LPL]

Gene symbol: LPL; LIPD

Alleles: Ca1, Ca2, A1, A2, A3, Ca1, Ca2, Da1, A1, A2, A3, Da1, Da2, Da2

Contains complete coding sequence: Yes

Insert end: Modification: Sall linker

Vector Information

Construct size (kb): 5.400000095367432

Intact vector size: 2.870

Vector name: pGEM-2

Type of vector: plasmid

Host range: *Escherichia coli*

Vector end: Sall

Vector information:

Cross references: DNA Seq. Acc.: X65301

Cloning sites: HindIII; PstI; Sall; Accl; HincII; XbaI; BamHI; Aval; SmaI; SacI; EcoRI

Markers: ampR

MCS: EcoRI...HindIII, -, 10-60

Polylinker sites: HindIII; PstI; Sall; Accl; HincII; XbaI; BamHI; Aval; SmaI; SacI; EcoRI

Promoters: SP6; T7

Replicon: pMB1

Growth Conditions

Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): Sall--2.9, 2.5; EcoRI--4.5, 0.5, 0.35; XbaI--5.4; HindIII--5.4; PstI--5.4. Recommended for verification: Sall, EcoRI, XbaI, HindIII, PvuII.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5'

end): EcoRI--1.64, 1.98; XbaI--2.26; PvuII--0.32, 0.73, 2.39.

- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: LPL-35 (ATCC 95696)

References

References and other information relating to this material are available at www.atcc.org.

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