



# 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

**Clone type:** Clone

**Host:** HB101 (ATCC 33694)

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## Storage Conditions

**Product format:** Freeze-dried

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## 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.

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### BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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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](http://www.atcc.org).

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### 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

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**Contains complete coding sequence:** Yes**Insert end:** Modification: Sall linker

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**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; Smal; SacI; EcoRI**Markers:** ampR**MCS:** EcoRI...HindIII, ->, 10-60**Polylinker sites:** HindIII; PstI; Sall; Accl; HincII; XbaI; BamHI; Aval; Smal; SacI; EcoRI**Promoters:** SP6; T7**Replicon:** pMB1

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**Growth Conditions****Medium:**

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

**Temperature:** 37°C

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**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

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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

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### Material Citation

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

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### References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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### Revision

This information on this document was last updated on 2021-05-19

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