



cRH15A

79938™

Description

Detects:

Genome: *Homo sapiens*

Gene symbol: LDLR

Type of nucleic acid: genomic

Restriction enzyme: KpnI+SacI

Invariant bands (kb): several

Number of alleles: 2

Type of polymorphism: site

Alleles:

Allele Freq. Size (kb) Strains

S2 0.50 2.0

S1 0.50 2.05

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli*

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.

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.

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): 40

Type of DNA: genomic

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique
(hypercholesterolemia)

Cross references:

Genome: Homo sapiens

Chromosome: 19

19 p13.2

Gene name: low density lipoprotein receptor (familial

Gene product: low density lipoprotein receptor (familial hypercholesterolemia)(low density lipoprotein receptor) [LDLR]

Gene symbol: LDLR

Alleles: A2, E1, E2, A1, A2, B1, B2, D1, D2, K1, K2, Q1, Q2, S2, A1, S1

Contains complete coding sequence: Unknown

Vector Information

Vector name: unknown

Type of vector: cosmid

Host range: *Escherichia coli*

Markers: ampR

Growth Conditions

Medium:

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

Temperature: 30°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--20.0, 9.0, 8.4, 3.8, 3.1, 2.0, 1.1, 0.98; BglII--15.0 (doublet), 6.0, 5.2, 4.4, 1.6, 1.3; EcoRI--15.0, 12.0, 9.4, 8.8, 2.3, 1.4; HindIII--19.0, 15.0, 8.2, 3.4, 2.5; BstEII--11.0, 9.4, 8.4 (doublet), 5.4, 4.5, 2.3. IMPORTANT: To prevent amplification of a rearranged and/or deleted cosmid, we recommend streaking on LB + amp plates at 30C and picking small colonies for liquid culture.

- ATCC staff

The whole cosmid has been used as the probe.

- Nucleic Acids Res. 17: 470, 1989

Enzymes not detecting polymorphism: BglI, BstEII, BstXI, DraI, EcoRV, HincII, XmnI, MspI, TaqI, BamHI, BglII, PstI, EcoRI, HindIII.

- Nucleic Acids Res. 17: 470, 1989

Polymorphisms were also not detected with SacI or KpnI in those individuals demonstrating polymorphism with SacI/KpnI-digested DNA.

- Nucleic Acids Res. 17: 470, 1989

More information may be available from ATCC (<http://www.atcc.org> or 703-365-2620).

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: cRH15A (ATCC 79938)

References

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

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