



pFEN207

53041™

Description

Organism: *Chlamydia trachomatis*

Clone type: Clone

Host: *Escherichia coli* JM109 (ATCC 53323)

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Patent number:

5,075,228

Technical information: ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

Intended Use

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BSL 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): 6.5

Type of DNA: genomic

Insert strain: LGV-434 (serovar L2)

Insert information:

DESCRIPTION OF INSERT COMPONENT:

transferase)

Cross references: DNA Seq. Acc.: M64618

Genome: Chlamydia trachomatis

Target gene: 3-deoxy-D-manno-octulosonic acid transferase (Kdo transferase)

Gene name: 3-deoxy-D-manno-octulosonic acid transferase (Kdo

Gene product: 3-deoxy-D-manno-octulosonic acid transferase (Kdo transferase)

[gseA]

Gene symbol: gseA

Contains complete coding sequence: Yes

Insert end: Sau3AI

Vector Information

Construct size (kb): 9.2

Intact vector size: 2.700

Vector name: pUC8

Type of vector: plasmid

Construction: pBR322, Escherichia coli lacZalpha, M13mp8

Host range: *Escherichia coli*

Vector end: BamHI

Cloning sites: EcoRI; SmaI; XmaI; BamHI; Sall; Accl; HincII; PstI; HindIII

Enhancer: none

Insert detection: lacZ'

Markers: ampR

Polylinker sites: EcoRI; SmaI; XmaI; BamHI; Sall; Accl; HincII; PstI; HindIII

Promoters: lac

Replicon: pMB1

Terminator: none

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): BamHI--6.2, 2.8;

EcoRI/HindIII--2.7, 1.35 (doublet), 0.84 (triplet), 0.64, 0.36, 0.27;

Scal/SacII--4.6, 2.4, 1.4, 0.96.

- ATCC staff

Expresses the genus-specific lipopolysaccharide epitope of Chlamydia.

- Science 228: 742-744, 1985

The insert contains at least 2 open reading frames. The 1.4 kb Scal/SacII fragment contains the complete coding sequence of gseA and has been sequenced.

- J. Biol. Chem. 267: 18702-18707, 1992

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pFEN207 (ATCC 53041)

References

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

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