



PRSV-S107 MYC Plasmid in *Escherichia coli* K-12

39746™

Description

Organism: *Mus musculus*, mouse

Clone type: Clone

Host: *Escherichia coli* K-12

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Patent number:

4,736,866

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: Freeze-dried

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

Type of DNA: genomic

Insert source: plasmacytoma S107 cell line

Insert tissue: plasmacytoma S107 cell line

Insert information: Genomic copy number: unique

Genome: mouse

Chromosome: 15; 12

12; 15

Gene name: immunoglobulin heavy chain gene cluster (V,D,J,C); avian myelocytomatosis viral (v-myc) oncogene homolog

Gene product: immunoglobulin heavy chain gene cluster (V,D,J,C) [Igh]

Gene symbol: Igh; Myc

Contains complete coding sequence: Unknown

Insert end: EcoRI

Vector Information

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Construct size (kb): 16.10000038146973

Intact vector size: 5.100

Vector name: pRSVcat

Type of vector: plasmid

Construction: pSV2-betaG, Tn9, RSV

Host range: vertebrate cells

Vector end: EcoRI

Cloning sites: BamHI; HindIII

Enhancer: RSV

Markers: cmlR; ampR

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): EcoRI--14.0, 2.1, + others; HindIII--14.0, + others; PstI--5.4, 4.0, 2.0, 1.7, + others. This clone is incorrectly cited in U.S. Patent 4,736,866 as ATCC 39749.

- ATCC staff

Contains alpha1 coding regions, alpha1 switch region, truncated exon 1, intron 1, exon 2, intron and exon 3. The construct maintains the RSV enhancer from pRSVcat but not the chloramphenicol acetyl transferase or the SV40 sequences. Has been used to generate a Calpha probe (1.3 kb EcoRI/XbaI fragment), alpha switch probe (2.3 kb PstI/PstI fragment), and c-myc probe (3.3 kb PstI/HindIII fragment). The original translocation deleted the myc promoters and part of exon 1, and juxtaposed, 5' to 5', the immunoglobulin heavy chain sequence.

- U.S. Pat. 4,736,866 dated Apr. 12, 1988

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: PRSV-S107 MYC Plasmid in *Escherichia coli* K-12 (ATCC 39746)

References

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

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Revision

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