

PMMTV-XBA MYC Plasmid in *Escherichia coli* K-12

39749TM

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 information: Genomic copy number: unique

Genome: mouse

Chromosome: 15

15

Gene name: avian myelocytomatosis viral (v-myc) oncogene homolog

Gene product: avian myelocytomatosis viral (v-myc) oncogene homolog(avian myelocytomatosis viral (v-myc) oncogene homolog, proto-oncogene c-myc) [Myc]

Gene symbol: Myc

Contains complete coding sequence: Unknown

Insert end: HindIII

Vector Information

Construct size (kb): 11.0

Vector name: pA9



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Type of vector: plasmid

Host range: *Escherichia coli*

Vector end: SmaI; EcoRI

Cloning sites: SmaI; EcoRI

Enhancer: MMTV LTR

Markers: ampR

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): PstI--4.4, 4.2, 2.1, 0.45; Pvull--5.2, 4.2, 1.7; EcoRI--11.0; HindIII--10.0, 1.15; BamHI--9.0, 2.4; BamHI+HindIII--4.4, 3.4, 2.4, 1.2; Clal--5.5 (doublet). This clone is incorrectly cited in U.S. Patent 4,736,866 as ATCC 39745.

- ATCC staff

Constructed by deleting a SmaI/XbaI fragment (containing exon 1) from MMTV-Sma myc (ATCC 39745). The first myc exon is untranslated, so the insert still contains the entire protein coding sequence. A 5.2 kb BamHI(5')/Clal(3') fragment containing exons 2 and 3 has been used as a probe. The BamHI site is in MMTV LTR and the Clal site is from the flanking pBR322-derived sequences.

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

.patent

Material Citation



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References

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

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