



mp35

87596™

Description

Organism: *Mus musculus*, mouse

Clone type: Clone

Host: *Escherichia coli* HB101 (ATCC 33694)

Storage Conditions

Product format: Frozen

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): 0.6999999999999996

Type of DNA: cDNA

Insert source: spleen

Insert strain: C57BL/6

Insert tissue: spleen

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

cytotoxic lymphocyte maturation factor 1, p35

Insert 5' end: HindIII

Insert 3' end: NotI

Cross references: DNA Seq. Acc.: M86672

Nucleotides 54 - 687 of the insert correspond to nucleotides 131 - 774 of M86672.

Genome: mouse

Chromosome: 3

Gene name: interleukin 12A (natural killer cell stimulatory factor 1,

Gene product: interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35 [Il12a]

Gene symbol: Il12a

Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 3.664000034332275

Intact vector size: 2.964

Vector name: pBluescript SK+

Type of vector: phagemid

Construction: pUC19

Host range: *Escherichia coli*

Vector end: HindIII; NotI

Cloning sites: KpnI; Eco0109I; Apal; Drall; XhoI; Sall; HincII; Accl; Clal; Bsp106I; HindIII; EcoRV; EcoRI; PstI; SmaI; BamHI; SpeI; XbaI; EagI; NotI; SacII; BstXI; SacI

Enhancer: none

Insert detection: lacZ'

Markers: ampR

Polylinker sites: KpnI; Eco0109I; Apal; Drall; XhoI; Sall; HincII; Accl; Clal; Bsp106I; HindIII; EcoRV; EcoRI; PstI; SmaI; BamHI; SpeI; XbaI; EagI; NotI; SacII; BstXI; SacI

Promoters: lac; T3; T7

Replicon: pMB1; f1

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):

HindIII/NotI--2.9, 0.78; XbaI--2.9, 0.50, 0.28; HindIII--3.7.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): XbaI--0.49; StyI--0.40; SacI--0.68.

- GenBank/EMBL/DDBJ

The sequence surrounding the initiation codon was modified to 5'-ACCAUGG-3' (Kozak consensus) to optimize translation. Thus the sequence between the vector insertion site and the initiating ATG is not derived from the mRNA. The p35 cDNA was cloned into pBluescript SK+ via HindIII to BamHI (Aug to stop), without recreating the BamHI site.

- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: mp35 (ATCC 87596)

References

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

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