



hp35
99608™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* HB101 (ATCC 33694)

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): 1.1000000000000001

Type of DNA: cDNA

Insert information:

DESCRIPTION OF INSERT COMPONENT:

cytotoxic lymphocyte maturation factor 1, p35

Insert 5' end: EcoRV

Insert 3' end: EcoRV

Cross references: DNA Seq. Acc.: M38443

Nucleotides 33 - 1058 of the insert correspond to

Nucleotides 33 - 1058 of the insert correspond to
nucleotides 1 - 1026 of M38443.

DNA Seq. Acc.: M65271

nucleotides 1 - 1026 of M65271.

Genome: Homo sapiens

Chromosome: 3

3 p25-p26.2

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; IL-12 p35

Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 4.064000129699707

Intact vector size: 2.964

Vector name: pBluescript SK+

Type of vector: phagemid

Construction: pUC19

Host range: *Escherichia coli*

Vector end: EcoRV

Cloning sites: KpnI; Eco0109I; ApaI; DraII; XhoI; SalI; HincII; AclI; ClaI; 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; ApaI; DraII; XhoI; SalI; HincII; AclI; ClaI; 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): NotI/SalI--2.9, 1.2; HindIII--3.4, 0.65; EcoRV--4.1.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): EcoRV--0.42; HindIII--0.63; BglII--0.66.

- GenBank/EMBL/DDBJ

The insert, p35 cDNA including 5' and 3' noncoding regions, was PCR amplified out of a lambda phage clone and ligated into the EcoRV site of pBluescript SK+. The cDNA contains two in-frame Met codons: one at position 100-102 and the second one at position 202-204. Only the second Met codon was used for expression of bioactive IL-12 in mammalian cells by the depositor.

- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: hp35 (ATCC 99608)

References

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

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