



pG28B5.0

99536™

Description

Detects:

Genome: Homo sapiens

Tissue: placenta, liver, lung, skeletal muscle, pancreas, small intestine, colon, peripheral blood leukocytes, heart, spleen and prostate

Gene symbol: CEBPA

Type of nucleic acid: mRNA

Invariant bands (kb): 2.7

Organism: *Homo sapiens*

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): 5

Type of DNA: genomic

Insert source: umbilical vein endothelial cells

Insert tissue: umbilical vein endothelial cells

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Cross references: DNA Seq. Acc.: U34070

Nucleotides ~700-4000 of the insert correspond to nucleotides 1-3318 of U34070.

Genome: Homo sapiens

Chromosome: 19

19 q13.1

Target gene: CCAAT/enhancer binding protein (C/EBP), alpha

Gene name: CCAAT/enhancer binding protein (C/EBP), alpha

Gene product: CCAAT/enhancer binding protein (C/EBP), alpha [CEBPA]

Gene symbol: CEBPA

Contains complete coding sequence: Yes

Insert end: BamHI

Vector Information

Construct size (kb): 8.199999809265137

Intact vector size: 3.199

Vector name: pGEM-3Zf(+)

Type of vector: phagemid

Host range: *Escherichia coli*

Vector end: BamHI

Cloning sites: EcoRI; SacI; KpnI; Aval; SmaI; BamHI; XbaI; Sall; Accl; HincII; PstI; SphI; HindIII

Insert detection: lacZ'

Markers: ampR

Polylinker sites: T7-EcoRI; SacI; KpnI; Aval; SmaI; BamHI; XbaI; Sall; Accl; HincII; PstI; SphI; HindIII-SP6

Promoters: lac; SP6; T7

Replicon: pMB1; f1

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--5.0, 3.2; HindIII--6.2, 1.5, 0.46; EcoRI--5.6, 2.5.

- ATCC staff

The probe used for Northern blotting was the 0.7 kb EcoRI/HindIII fragment from

the 3' untranslated region of the insert.

- Biochem. Biophys. Res. Commun. 215: 106-113, 1995

Insert contains the following restriction sites (approximate kb from the 5' end): BglIII--3.0; EcoRI--2.5; EcoRV--3.2; HindIII--3.1, 4.6; NcoI--1.3, 2.3; NotI--1.65, 1.7; PstI--0.7, 1.3, 1.85, 1.9, 4.4; SacI--2.3, 3.9; XbaI--3.5; XhoI--0.2, 2.35.

- Biochem. Biophys. Res. Commun. 215: 106-113, 1995

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pG28B5.0 (ATCC 99536)

References

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

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