



pGEM4Z/CREB2

79050™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli*

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): 1.3

Type of DNA: cDNA

Insert source: acute T cell leukemia, Jurkat cell line

Insert tissue: acute T cell leukemia, Jurkat cell line

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Cross references: DNA Seq. Acc.: M86842

Genome: Homo sapiens

Chromosome: 2

2 q32

Target gene: cAMP responsive element binding protein 2

Gene name: cAMP responsive element binding protein 2

Gene product: cAMP responsive element binding protein 2 [CREB2]

Gene symbol: CREB2

Contains complete coding sequence: Unknown

Insert end: Modification: EcoRI linkers

Vector Information

Construct size (kb): 5.300000190734863

Intact vector size: 3.000

Vector name: pGEM-4Z

Type of vector: plasmid

Host range: *Escherichia coli*

Vector end: EcoRI

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

Enhancer: none

Insert detection: lacZ'

Markers: ampR

Polylinker sites: EcoRI; SacI; KpnI; Aval; SmaI; BamHI; XbaI; SalI; AccI; HincII; PstI; SphI; HindIII

Promoters: lac; SP6; T7

Replicon: pMB1

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): EcoRI--3.9, 1.40; KpnI--4.2, 1.05; PstI--5.3; BamHI--5.3; EcoRV--3.8, 0.72, 0.45.

- ATCC staff

The insert contains the following restriction sites (nt from the 5' EcoRI site):

XmnI--383; EcoRV--667; KpnI--991.

- personal communication

Detects a transcript of 1.5 kb in human cells. Has also been used to detect mouse transcripts.

- Proc. Natl. Acad. Sci. USA 89: 4820-4824, 1992

More information may be available from ATCC (<http://www.atcc.org> or 703-365-2620).

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pGEM4Z/CREB2 (ATCC 79050)

References

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

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