



pCMV-Cip1

79928™

Product Sheet

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): 1.6399999999999999

Type of DNA: cDNA

Insert source: B-lymphocyte (EBV-transformed)

Insert tissue: B lymphocyte (EBV-transformed)

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Insert 5' end: XhoI

Insert 3' end: BglII

Cross references: DNA Seq. Acc.: L25610

Genome: Homo sapiens

Chromosome: 6

6 p21.2

Target gene: cyclin-dependent kinase inhibitor 1A (p21, Cip1)

Gene name: cyclin-dependent kinase inhibitor 1A (p21, Cip1)

Gene product: cyclin-dependent kinase inhibitor 1A (p21, Cip1)(melanoma differentiation associated protein 6, cyclin-dependent kinase inhibitor (p21), wild type p53 activated fragment 1 (Cdk-interacting protein)) [CIP1]

Gene symbol: CDKN1A; CIP1; WAF1*

Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 5.139999866485596

Intact vector size: 4.200

Vector name: pSXV

Type of vector: plasmid

Host range: *Escherichia coli*

Vector end: XhoI; BamHI

Cloning sites: XhoI

Markers: ampR

Promoters: CMV

Replicon: pMB1

Terminator: tat

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): BglI--1.6, 1.1, 0.6, 0.5 (doublet), 0.3 (doublet), 0.2; EcoRI--4.4, 0.9; KpnI--4.8, 0.25; PvuII--4.0, 1.2; XhoI--5.2; XbaI/NdeI--2.7, 2.0, 0.45; EcoRI/XhoI--3.3, 1.05, 0.9.

- ATCC staff

Corresponds to nt 1-1640 of the sequence record. Digestion with EcoRI+XhoI yields a 1 kb fragment that can be used as a probe.

- personal communication

Contains the complete coding sequence (nt 79-573 of the sequence record).

- Cell 75: 805-816, 1993

When transfected into human cells, expresses the protein from a CMV promoter.

- Cell 75: 805-816, 1993

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: pCMV-Cip1 (ATCC 79928)

References

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

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Revision

This information on this document was last updated on 2024-10-25

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