



pCWA274

99478™

Description

Detects:

Genome: *Homo sapiens*

Gene symbol: DNA-PK(CS)

Type of nucleic acid: genomic

Restriction enzyme: PvuII

Number of alleles: 2

Type of polymorphism: site

Alleles:

Allele Freq. Size (kb) Strains

- 0.32 1.361

+ 0.68 0.870 0.491

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* DH5alpha

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): 7.3920000000000003

Type of DNA: genomic

Insert information:

DESCRIPTION OF INSERT COMPONENT:
(subunit)

Cross references: DNA Seq. Acc.: L27425

Nucleotides 1-7393 of the insert correspond to
nucleotides 247-7693 of L27425.

Genome: Homo sapiens

Chromosome: 8

8 q11

Gene name: DNA-activated serine/threonine protein kinase (catalytic

Gene product: DNA-activated serine/threonine protein kinase (catalytic subunit)

[DNA-PK(CS)]

Gene symbol: DNA-PK(CS)

Alleles: -, +

Contains complete coding sequence: No

Insert end: EcoRI

Vector Information

Construct size (kb): 10.35000038146973

Intact vector size: 2.964

Vector name: pBluescript KS+

Type of vector: phagemid

Construction: pUC19

Host range: *Escherichia coli*

Vector end: EcoRI

Cloning sites: SacII; XmaI; NotI; XbaI; SpeI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII;

Clal; Sall HincII Accl; XhoI; DraIII; ApaI; KpnI

Enhancer: none

Insert detection: lacZ'

Markers: ampR

Polylinker sites: SEE COMMENTS

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): EcoRI--7.4, 3.0;

BamHI--10.4; BglII--9.3, 1.05; HindIII--6.0, 4.4; SmaI--8.0, 2.4.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): SacI--3.06, 5.68; BglII--5.15, 6.00; SmaI--5.26; HindIII--6.01.

- GenBank/EMBL/DDBJ

PvuII polymorphism was detected in the PCR product generated with upstream primer (nt 6229-6252 of L27425) and downstream primer (compliment of nt 7570-7589).

- Proc. Natl. Acad. Sci. USA 92: 7515-7519, 1995

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pCWA274 (ATCC 99478)

References

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

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