



# pCWA274

## 99478™

Product Sheet

### 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

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### Storage Conditions

**Product format:** Freeze-dried

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### 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.

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**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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## 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

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## 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; ClaI; SalI; HincII; AclI; XhoI; DraI; ApaI; KpnI

**Enhancer:** none

**Insert detection:** lacZ'

**Markers:** ampR

**Polylinker sites:** SEE COMMENTS

**Promoters:** lac; T3; T7

**Replicon:** pMB1; f1

**Terminator:** none

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## Growth Conditions

**Medium:**

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

**Temperature:** 37°C

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## 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

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## Material Citation

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

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

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

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