



Product Sheet

## pCWA274 (ATCC® 99479™)

### *Homo sapiens*

Please read this **FIRST**



Biosafety Level

1

#### Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

#### Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Homo sapiens* (ATCC® 99479™)

#### Shipping Information

Distributed: DNA (dried). Rehydrate with TE. (amount: 200 ng)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

#### 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  
**Designation:** pCWA274

#### 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

#### Insert Information

DNA: genomic  
DESCRIPTION OF INSERT COMPONENT:  
Genome: Homo sapiens  
Gene symbol: DNA-PK(CS)  
Gene name: DNA-activated serine/threonine protein kinase (catalytic subunit)  
Contains complete coding sequence?: N  
Chromosome: 8; Localization: 8 q11  
Type of DNA: genomic  
Insert end: EcoRI  
Insert end: EcoRI  
Insert size (kb): 7.392  
Cross references: DNA Seq. Acc.: L27425  
Nucleotides 1-7393 of the insert correspond to nucleotides 247-7693 of L27425.  
Insert lengths(kb): 7.392000198364258  
Gene product: DNA-activated serine/threonine protein kinase (catalytic subunit) [DNA-PK(CS)]  
Alleles: -, +

#### Vector Information

Construct size (kb): 10.35000038146973  
DESCRIPTION OF VECTOR COMPONENT:  
Name of vector: pBluescript KS+  
Intact vector size: 2.964  
Type of vector: phagemid  
Vector end: EcoRI  
Vector end: EcoRI  
Cloning sites: SacI XmaI NotI XbaI SpeI BamHI SmaI PstI EcoRI EcoRV  
HindIII ClaI (SalI HincII AccI) XhoI DralI ApaI KpnI  
Polylinker sites: SEE COMMENTS  
Construction: pUC19



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Distributed: DNA (dried). Rehydrate with TE. (amount: 200 ng)

Host range: *Escherichia coli*

Features (with orientation and position when available):

enhancer: none

insert detection: lacZ'

marker(s): ampR

promoter: lac, T3, T7

replicon: pMB1, f1

terminator: none

Cross references:



#### References

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



#### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

#### ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

#### Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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