



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

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: 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.



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

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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