



Product Sheet

## Y-223a (ATCC® 61170™)

### *Homo sapiens*

#### Please read this FIRST



#### 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® 61170™)

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

**Designation:** Y-223a

#### Notes

Restriction digests of the clone give the following sizes (kb): BamHI--5.2; HindIII--4.4, 0.76; NotI--uncut; EcoRI--5.2; PstI--5.2.

- ATCC staff

Y-223a maps closer to the centromere than Y-280.

- Development 101: 51-58, 1987 (supplement)

Y-223a hybridizes to DNA in 9/16 46,XX males and a female with a dicentric Y chromosome.

- Development 101: 51-58, 1987 (supplement)

#### Distributed In

*Escherichia coli* strain HB101

#### Insert Information

**DNA:** genomic

**Insert lengths(kb):** 0.75

**Genome:** *Homo sapiens*

**Gene symbol:** DYZ5

**Genomic copy number:** repetitive

**Gene name:** DNA Segment, repetitive

**Contains complete coding sequence?:** U

**Chromosome:** Y; Localization: Y p

**Tissue:** 49,XXXXY cell line

**Type of DNA:** genomic

**Insert end:** HindIII

**Insert end:** HindIII

#### Vector Information

**Construct size (kb):** 5.20

**Name of vector:** pBR322

**Intact vector size:** 4.363

**Type of vector:** plasmid

**Vector end:** HindIII

**Vector end:** HindIII

Cloning sites: EcoRI ClaI HindIII EcoRV BamHI SphI SalI XmaIII NruI BspMI BsmI StyI Aval Ball BspMII PvuII Tth1111 NdeI AflIII PpaI PstI PvuI Scal SspI AatII

**Polylinker sites:**

**Construction:** pBR313

**Host range:** *Escherichia coli*

**Features (with orientation and position when available):**

**marker(s):** tetR

**replicon:** pMB1

**marker(s):** ampR

**Cross references:** DNA Seq. Acc.: J01749

#### Propagation

#### Growth Conditions

**Temperature:** 37°C

#### Medium

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

#### References

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

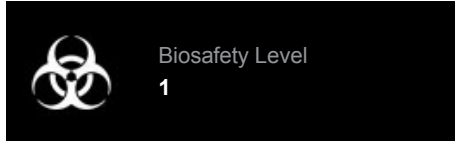


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#### Biosafety Level: 1

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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