



Product Sheet

## SM1 (ATCC® 77431™)

### *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® 77431™)

#### Shipping Information

Distributed: frozen

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: SM1

#### Notes

cDNA synthesis was primed by oligo-dT, and a synthetic oligonucleotide (5'GCTTGAATTCAAGC 3') was added for directional cloning.  
- Cytogenet. Cell Genet. 64: 292-294, 1993

#### Vector Information

DESCRIPTION OF VECTOR COMPONENT:

Name of vector: Charon BS(-)  
Intact vector size: 43.100  
Type of vector: phage  
Vector end: EcoRI  
Vector end: HindIII  
Cloning sites: EcoRI HindIII  
Polylinker sites: NotI BamHI EcoRI EcoRV HindIII SalI XhoI  
Cloning capacity: 8.9 kb  
Construction: Charon 15, pBluescript KS M13(-)  
Host range: Escherichia coli  
Features (with orientation and position when available):  
insert detection: lacZ', <-  
other: left arm, ->, 1-21225  
other: pBluescript KS -, ->, 21226-24184  
MCS: NotI...KpnI, ->, 21226-21315  
promoter for in vitro transcription: T3, <-, 21327-21346  
promoter: lac, <-, 21416-21444  
replicon: pMB1, 21771-21771  
marker(s): ampR, <-, 22529-23389  
replicon: f1, ->, 23520-23976  
promoter for in vitro transcription: T7, ->, 24140-24159  
MCS: SacI...NotI, ->, 24172-24184  
other: right arm, ->, 24185-43100  
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.

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#### Disclaimers

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While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature



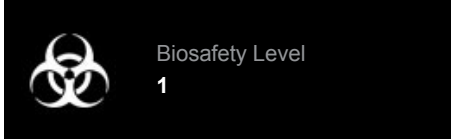
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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

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

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