



Product Sheet

## pHG30 (ATCC® 99518™)

### *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® 99518™)

#### Shipping Information

Distributed: freeze-dried

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: pHG30

#### Notes

Restriction digests of the clone give the following sizes (kb): PstI--3.6, 1.5, 0.86; Sall--3.6, 2.4; XhoI--3.0 (doublet).  
- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): NotI--0.38; KpnI--0.50; Sall--0.70; PstI--0.75, 1.57.  
- GenBank/EMBL/DDBJ

#### Distributed In

Distribution host: *Escherichia coli* HB101 (ATCC 33694)

#### Insert Information

DNA: genomic

DESCRIPTION OF INSERT COMPONENT:

Genome: *Homo sapiens*

Gene symbol: MGAT2

Gene name: mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase

Contains complete coding sequence?: Y

Chromosome: 14; Localization: 14 q21

Type of DNA: genomic

Insert end:

Insert end:

Insert size (kb): 3.0

Cross references: DNA Seq. Acc.: L36537

Nucleotides 1-2964 of the insert correspond to nucleotides 451-3414 of L36537.

Insert lengths(kb): 3.0

Gene product: mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase [MGAT2]

#### Vector Information

Construct size (kb): 5.960000038146973

DESCRIPTION OF VECTOR COMPONENT:

Name of vector: pBluescript II KS+

Intact vector size: 2.961

Type of vector: phagemid

Vector end: XhoI

Vector end: XhoI

Cloning sites: BssHII KpnI Apal DraII XhoI HincII AccI Sall ClaI HindIII

EcoRI PstI SmaI BamHI XbaI NotI EagI SacI

Polylinker sites: BssHII KpnI Apal DraII XhoI HincII AccI Sall ClaI HindIII

EcoRI PstI SmaI BamHI XbaI NotI EagI SacI

Host range: *Escherichia coli*

Features (with orientation and position when available):

insert detection: lacZ'

marker(s): ampR

replicon: pMB1, f1

Cross references:

#### Propagation

#### Growth Conditions

Temperature: 37.0°C

Medium



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**Shipping Information**

Distributed: freeze-dried

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

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**References**

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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**

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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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**ATCC Warranty**

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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.

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**Disclaimers**

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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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