



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

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: 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 DraIII XhoI HincII AccI Sall ClaI HindIII

EcoRI PstI SmaI BamHI XbaI NotI EagI SacI

Polylinker sites: BssHII KpnI Apal DraIII 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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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.



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

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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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