



Product Sheet

## pSLH16 [transgene 2] (ATCC® 79013™)

### *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® 79013™)

#### 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](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: pSLH16 [transgene 2]

#### Notes

Restriction digests of the clone give the following sizes (kb): Sall--14.8, 2.5; EcoRI--12.8, 4.5; BglII--14.0, 3.3; SstI--17.3; NotI--14.4; 2.9.  
- ATCC staff

The insert includes the following restriction sites: Sall (intron 1, 2.0 kb from the 5' NotI site); BglII (intron 3); EcoRI (cDNA segment).  
- personal communication

The NotI fragment consists of the following elements: the mouse metallothionein promoter I (1.7 kb); exon 1 of LDLR, containing a SstII site; intron 1 truncated by deletion of a RsaI (77 nt 3' to exon 1) / EcoRI (3.1 kb 5' to exon 2) fragment;  
- J. Cell Biol. 111: 347-359, 1990

exons and introns 2-4; a cDNA fragment corresponding to exons 5-18; and transcription termination and polyadenylation signals from the human growth hormone receptor gene (0.6 kb).  
- J. Cell Biol. 111: 347-359, 1990

Encodes the normal sequence.  
- J. Cell Biol. 111: 347-359, 1990

The expected size of the correctly processed mRNA is 2.9 kb.  
- J. Cell Biol. 111: 347-359, 1990

#### Insert Information

DNA: genomic

DESCRIPTION OF INSERT COMPONENT:

Genome: *Homo sapiens*

Gene symbol: LDLR

Genomic copy number: unique

Gene name: low density lipoprotein receptor (familial hypercholesterolemia)

Contains complete coding sequence?: U

Chromosome: 19; Localization: 19 p13.2

Type of DNA: genomic

Insert end: NotI

Insert end: NotI

Insert size (kb): 14.4

Cross references:

Insert lengths(kb): 14.39999961853027

Gene product: low density lipoprotein receptor (familial hypercholesterolemia)(low density lipoprotein receptor) [LDLR]

Alleles: A2, E1, E2, A1, A2, B1, B2, D1, D2, K1, K2, Q1, Q2, S2, A1, S1

Target Gene: low density lipoprotein receptor (familial hypercholesterolemia)

#### Vector Information

Construct size (kb): 17.29998970031738

DESCRIPTION OF VECTOR COMPONENT:

Name of vector: pTZ18R

Intact vector size: 2.900

Type of vector: phagemid

Vector end: NotI

Vector end: NotI

Cloning sites: EcoRI SacI KpnI SmaI BamHI XbaI Sall AccI HincII PstI SphI HindIII



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Polylinker sites: EcoRI SacI KpnI SmaI BamHI XbaI SalI AccI HincII PstI SphI HindIII  
Construction: pUC18, Escherichia coli lacZalpha, pBR322, f1  
Host range: Escherichia coli  
Features (with orientation and position when available):  
enhancer: none  
insert detection: lacZ'  
marker(s): ampR  
promoter: lac, T7  
replicon: pMB1, f1  
terminator: none  
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.

#### 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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